

**TENNESSEE AIR POLLUTION CONTROL BOARD  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE, TENNESSEE 37243-1531**



**MAJOR MODIFICATION NO. 1 TO OPERATING PERMIT (TITLE V)**

Issued Pursuant to Tennessee Air Quality Act

This permit fulfills the requirements of Title V of the Federal Clean Air Act (42 U.S.C. 7661a-7661e) and the federal regulations promulgated thereunder at 40 CFR Part 70. (FR Vol. 57, No. 140, Tuesday, July 21, 1992 p.32295-32312). This permit is issued in accordance with the provisions of paragraph 1200-3-9-.02(11) of the Tennessee Air Pollution Control Regulations. The permittee has been granted permission to operate an air contaminant source in accordance with emission limitations, monitoring requirements set forth herein.

**Date Issued:** May 30, 2003  
Major Modification No. 1 -  
**Date Expires:** May 29, 2008

**DRAFT**

**Permit Number:**  
548512

**Issued To:**  
Tate and Lyle Ingredients Americas, Inc.

**Installation Address:**  
198 Blair Bend Drive  
Loudon

**Installation Description:**

**Wetmill / Feedhouse Area**

03 - Steepphouse & Millhouse Aspiration  
06 - Cracked Corn Conveying  
07 - Germ Dryers No. 1 & 2  
16 - Gluten Filter Aspiration, Gluten Dryer, Rotary Feed Dryers #1, #2 and #3, Rotary Feed Cooler, Feed Milling Cyclones, Pellet Cooling  
17 - Gluten Conveying and Gluten Meal Loadout  
49 - Germ Transfer and Unloading  
64 - Germ Dewatering  
68 - Germ Conveyor, Storage & Loadout Bin

**Elevator Area**

01 - Corn Unloading Dust Collector  
02 - Elevator Dust /Collector  
48 - Vacuum Cleaning System

**Refinery Area**

23 - Carbon Furnace  
24 - Soda Ash Unloading  
26 - Filter Aid Supply System  
53 - HCl System -Bulk & Dilute Acid Tanks  
66 - Jet Foam Trap Exhaust  
90 - Railcar Receiver Bin, Spray Dryer, Product Bin, Unloading Receiver, Gum Bag Dump, Vacuum Cleaning System  
91 - Bag Packer Facility  
93 - Corn Sweetener Process

**Alcohol Area**

28 - CO2 & Propagators Scrubber  
54 - Denatured Alcohol Storage Tank  
55 - Alcohol Storage & Loadout  
59 - Gasoline Storage Tank  
98 - Alcohol Storage Tank  
99 - Alcohol Barge Loadout Facility

**Utilities Area**

29 - Coal Unloading  
30 - Coal Transfer House  
32 - Coal Bunkers  
34 - Coal Fired Boilers and oil/gas boiler  
39 - Ash Handling Silo  
43 - No. 6 fuel Oil Storage Tank  
44 - Dead Coal Pile Storage  
60 - Working Coal Pile Storage  
71 - Emergency Electrical Generation

**Emission Source Reference No.:** 53-0081

**Renewal Application Due Date:** Between September 2, 2007 and December 1, 2007

**Primary SIC:** 20 & 28

**Responsible Officials:**

Name :Michael J. Slimbarski  
Title: Plant Manager

**Facility Contact Person:**

Name :Don Moster  
Title: Environmental Engineer  
Phone: (217) 421-2452

**Information Relied Upon:**

Application dated August 28, 1997 Revisions dated October 5, 2001  
Major Modification Application dated May 23, 2006

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TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

**POST OR FILE AT INSTALLATION ADDRESS**

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**END OF PERMIT NUMBER 548512**

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<b>ATTACHMENT 1</b>	<b>Opacity Matrix Decision Tree for Visible Emission Evaluation by EPA Method 2 &amp; 9, dated June 18, 1996</b>	<b>2 pages</b>
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<b>ATTACHMENT 3</b>	<b>NOx Budget Trading Program Permit</b>	<b>5 pages</b>

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## SECTION A

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# GENERAL PERMIT CONDITIONS

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A permit issued under the provisions of paragraph 1200-3-9-.02(11) is a permit issued pursuant to the requirements of Title V of the Federal Act and its implementing Federal regulations promulgated at 40 CFR, Part 70.

- A1. Definitions.** Terms not otherwise defined in the permit shall have the meaning assigned to such terms in the referenced regulation.

TAPCR 1200-3

- A2. Compliance requirement.** All terms and conditions in a permit issued pursuant to paragraph 1200-3-9-.02(11) including any provisions designed to limit a source's potential to emit, are enforceable by the Administrator and citizens under the Federal Act.

The permittee shall comply with all conditions of its permit. Except for requirements specifically designated herein as not being federally enforceable (State Only), non-compliance with the permit requirements is a violation of the Federal Act and the Tennessee Air Quality Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Non-compliance with permit conditions specifically designated herein as not being federally enforceable (State Only) is a violation of the Tennessee Air Quality Act and may be grounds for these actions.

TAPCR 1200-3-9-.02(11)(e)2(i) and 1200-3-9-.02(11)(e)1(vi)(I)

- A3. Need to halt or reduce activity.** The need to halt or reduce activity is not a defense for noncompliance. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. However, nothing in this item shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in assessing penalties for noncompliance if the health, safety or environmental impacts of halting or reducing operations would be more serious than the impacts of continuing operations.

TAPCR 1200-3-9-.02(11)(e)1(vi)(II)

- A4. The permit.** The permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

TAPCR 1200-3-9-.02(11)(e)1(vi)(III)

- A5. Property rights.** The permit does not convey any property rights of any sort, or any exclusive privilege.

TAPCR 1200-3-9-.02(11)(e)1(vi)(IV)

- A6. Submittal of requested information.** The permittee shall furnish to the Technical Secretary, within a reasonable time, any information that the Technical Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or termination of the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Technical Secretary copies of records required to be kept by the permit. If the permittee claims that such information is confidential, the Technical Secretary may review that claim and hold the information in protected status until such time that the Board can hear any contested proceedings regarding confidentiality disputes. If the information is desired by EPA, the permittee may mail the information directly to EPA. Any claims of confidentiality for federal purposes will be determined by EPA.

TAPCR 1200-3-9-.02(11)(e)1(vi)(V)

- A7. Severability clause.** The requirements of this permit are severable. A dispute regarding one or more requirements of this permit does not invalidate or otherwise excuse the permittee from their duty to comply with the remaining portion of the permit.

TAPCR 1200-3-9.02(11)(e)1(v)

**A8. Fee payment.**

(a) The permittee shall pay an annual major source emission fee based upon the responsible official's choice of actual emissions or allowable emissions. An emission cap of 4,000 tons per year per regulated pollutant per major source SIC Code shall apply to actual or allowable based emission fees. A major source annual emission fee will not be charged for emissions in excess of the cap (s) or for carbon monoxide.

(b) Major sources who have filed a timely, complete operating permit application in accordance with 1200-3-9-.02(11), shall pay allowable emission based fees until the beginning of the next annual accounting period following receipt of their major source operating permit. At that time, the permittee shall begin paying their annual emission fee based upon their choice of actual or allowable based fees, or mixed actual and allowable based fees as stated under SECTION E of this permit. Once permitted, altering the existing choice shall be accomplished by a written request of the major source, filed in the office of the Technical Secretary at least one hundred eighty days prior to the expiration or reissuance of the major source operating permit.

(c) Major sources must conform to the following requirements with respect to fee payments:

1. If a major source choosing an allowable based annual emission fee wishes to restructure its allowable emissions for the purposes of lowering its annual emission fees, a mutually agreed upon, more restrictive regulatory requirement may be established to minimize the allowable emissions and thus the annual emission fee. The more restrictive requirement must be specified on the permit, and must include the method used to determine compliance with the limitation. The documentation procedure to be followed by the major source must also be included to insure that the limit is not exceeded. Restructuring the allowable emissions is permissible only in the annual accounting periods of eligibility and only, if the written request for restructuring is filed with the Technical Secretary at least 120 days prior to the beginning of the annual accounting period of eligibility. These periods of eligibility occur upon expiration of the initial major source operating permit, renewal of an expired major source operating permit or reissuance of a major source operating permit.

2. Beginning with the annual accounting period beginning July 1, 1997 to June 30, 1998, major sources paying on allowable based emission fees will be billed by the Division no later than April 1 prior to the end of the accounting period. The major source annual emission fee is due July 1 following the end of the accounting period.

3. Beginning with the annual accounting period beginning July 1, 1997 to June 30, 1998, major sources choosing an actual based annual emission fee shall file an actual emissions analysis with the Technical Secretary which summarizes the actual emissions of all regulated pollutants at the air contaminant sources of their facility. Based upon the actual emissions analysis, the source shall calculate the fee due and submit the payment and the analysis each July 1st following the end of the annual accounting period.

4. Beginning with the annual accounting period beginning July 1, 1997 to June 30, 1998, major sources choosing a mixture of allowable and actual based emission fees shall file an actual emissions and allowable emissions analysis with the Technical Secretary which summarizes the actual and allowable emissions of all regulated pollutants at the air contaminant sources of their facility. Based upon the analysis, the source shall calculate the fee due and submit the payment and the analysis each July 1st following the end of the annual accounting period.

The mixed based fee shall be calculated utilizing the 4,000 ton cap specified in subparagraph 1200-3-26-.02(2)(i). In determining the tonnages to be applied toward the regulated pollutant 4,000 ton cap in a mixed based fee, the source shall first calculate the actual emission based fees for a regulated pollutant and apply that tonnage toward the regulated pollutant's cap. The remaining tonnage available in the 4,000 ton category of a regulated pollutant shall be subject to allowable emission based fee calculations for the sources that were not included in the actual emission based fee calculations. Once the 4,000 ton cap has been reached for a regulated pollutant, no additional fee shall be required.

5. Major sources choosing to pay their major source annual emission fee based on actual based emissions or a mixture of allowable and actual based emissions may request an extension of time to file their emissions analysis with the Technical Secretary. The extension may be granted by the Technical Secretary up to ninety (90) days. The request for extension must be postmarked no later than July 1 or the request for extension shall be denied. The request for extension to file must state the reason and give an adequate explanation.

An estimated annual emission fee payment of no less than eighty percent (80%) of the fee due July 1 must accompany the request for extension to avoid penalties and interest on the underpayment of the annual emission fee. A remaining balance due must accompany the emission analysis. If there has been an overpayment, a refund may be requested in writing to the Division or be applied as a credit toward next year's major source annual emission fee. The request for extension of time is not available to major sources choosing to pay their major source annual emission fee based on allowable emissions.

6. Newly constructed major sources or minor existing sources modifying their operations such that they become a major source in the midst of the standard July 1st to June 30th annual accounting period, shall pay allowable based annual emission fees for the fractional remainder of the annual accounting period commencing upon their start-up. At the beginning of the next annual accounting period, the "responsible official" of the source may choose to pay annual emission fees based on actual or allowable emissions or a mixture of the two as provided for in this rule 1200-3-26-.02.

(d) Where more than one (1) allowable emission limit is applicable to a regulated pollutant, the allowable emissions for the regulated pollutants shall not be double counted. Major sources subject to the provisions of paragraph 1200-3-26-.02(9) shall apportion their emissions as follows to ensure that their fees are not double counted.

1. Sources that are subject to federally promulgated hazardous air pollutant standards that can be imposed under Chapter 1200-3-11 or Chapter 1200-3-31 will place such regulated emissions in the specific hazardous air pollutant under regulation. If the pollutant is also in the family of volatile organic compounds or the family of particulates, the pollutant shall not be placed in that respective family category.

2. A miscellaneous category of hazardous air pollutants shall be used for hazardous air pollutants listed at part 1200-3-26-.02(2)(i)12 that do not have an allowable emission standard. A pollutant placed in this category shall not be subject to being placed in any other category such as volatile organic compounds or particulates.

3. Each individual hazardous air pollutant and the miscellaneous category of hazardous air pollutants is subject to the 4,000 ton cap provisions of subparagraph 1200-3-26-.02(2)(i).

4. Major sources that wish to pay annual emission fees for PM<sub>10</sub> on an allowable emission basis may do so if they have a specific PM<sub>10</sub> allowable emission standard. If a major source has a total particulate emission standard, but wishes to pay annual emission fees on an actual PM<sub>10</sub> emission basis, it may do so if the PM<sub>10</sub> actual emission levels are proven to the satisfaction of the Technical Secretary. The method to demonstrate the actual PM<sub>10</sub> emission levels must be made as part of the source's major source operating permit in advance in order to exercise this option. The PM<sub>10</sub> emissions reported under these options shall not be subject to fees under the family of particulate emissions. The 4,000 ton cap provisions of subparagraph 1200-3-26-.02(2)(i) shall also apply to PM<sub>10</sub> emissions.

TAPCR 1200-3-26-.02 (3) and (9) and 1200-3-9-.02(11)(e)1(vii)

**A9. Permit revision not required.** A permit revision will not be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or process for changes that are provided for in the permit.

TAPCR 1200-3-9-.02(11)(e)1(viii)

**A10. Inspection and entry.** Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Technical Secretary or his authorized representative to perform the following for the purposes of determining compliance with the permit applicable requirements:

(a) Enter upon, at reasonable times, the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and

(d) As authorized by the Clean Air Act and Chapter 1200-3-10 of TAPCR, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(e) "Reasonable times" shall be considered to be customary business hours unless reasonable cause exists to suspect noncompliance with the Act, Division 1200-3 or any permit issued pursuant thereto and the Technical Secretary specifically authorizes an inspector to inspect a facility at any other time.

TAPCR 1200-3-9-.02(11)(e)3.(ii)

**A11. Permit shield.**

(a) Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date of permit issuance, provided that:

1. Such applicable requirements are included and are specifically identified in the permit; or



2. The Technical Secretary, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
- (b) Nothing in this permit shall alter or affect the following:
  1. The provisions of section 303 of the Federal Act (emergency orders), including the authority of the Administrator under that section. Similarly, the provisions of T.C.A. §68-201-109 (emergency orders) including the authority of the Governor under the section;
  2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Federal Act; or
  4. The ability of EPA to obtain information from a source pursuant to section 114 of the Federal Act.
- (c) Permit shield is granted to the permittee.

**A12. Permit renewal and expiration.**

- (a) Permit expiration terminates the source's right to operate unless a timely and complete renewal application has been submitted at least 180 days, but no more than 270 days prior to the expiration of this permit.
- (b) Provided that the permittee submits a timely and complete application for permit renewal the source will not be considered in violation of paragraph 1200-3-9-.02(11) until the Technical Secretary takes final action on the permit application, except as otherwise noted in paragraph 1200-3-9-.02(11).
- (c) This permit, its shield provided in Condition A11, and its conditions will be extended and effective after its expiration date provided that the source has submitted a timely, complete renewal application to the Technical Secretary.

TAPCR 1200-3-9-.02(11)(f)3 and 2, 1200-3-9-.02(11)(d)1(i)(III), and 1200-3-9-.02(11)(a)2

**A13. Reopening for cause.**

- (a) A permit shall be reopened and revised prior to the expiration of the permit under any of the circumstances listed below:
  1. Additional applicable requirements under the Federal Act become applicable to the sources contained in this permit provided the permit has a remaining term of 3 or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the permit expiration date of this permit, unless the original has been extended pursuant to 1200-3-9-.02(11)(a)2.
  2. Additional requirements become applicable to an affected source under the acid rain program.
  3. The Technical Secretary or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
  4. The Technical Secretary or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- (b) Proceedings to reopen and issue a permit shall follow the same proceedings as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists, and not the entire permit. Such reopening shall be made as expeditiously as practicable.
- (c) Reopenings for cause shall not be initiated before a notice of such intent is provided to the permittee by the Technical Secretary at least 30 days in advance of the date that the permit is to be reopened except that the Technical Secretary may provide a shorter time period in the case of an emergency. An emergency shall be established by the criteria of T.C.A. 68-201-109 or other compelling reasons that public welfare is being adversely affected by the operation of a source that is in compliance with its permit requirements.
- (d) If the Administrator finds that cause exists to terminate, modify, or revoke and reissue a permit as identified in A13, he is required under federal rules to notify the Technical Secretary and the permittee of such findings in writing. Upon receipt of such notification, the Technical Secretary shall investigate the matter in order to determine if he agrees or disagrees with the Administrator's findings. If he agrees with the Administrator's findings, the Technical Secretary shall conduct the reopening in the following manner:

1. The Technical Secretary shall, within 90 days after receipt of such notification, forward to EPA a proposed determination of termination, modification, or revocation and reissuance, as appropriate. If the Administrator grants additional time to secure permit applications or additional information from the permittee, the Technical Secretary shall have the additional time period added to the standard 90 day time period.
2. EPA will evaluate the Technical Secretary's proposed revisions and respond as to their evaluation.
3. If EPA agrees with the proposed revisions, the Technical Secretary shall proceed with the reopening in the same manner prescribed under Condition A13 (b) and Condition A13 (c).
4. If the Technical Secretary disagrees with either the findings or the Administrator that a permit should be reopened or an objection of the Administrator to a proposed revision to a permit submitted pursuant to Condition A13(d), he shall bring the matter to the Board at its next regularly scheduled meeting for instructions as to how he should proceed. The permittee shall be required to file a written brief expressing their position relative to the Administrator's objection and have a responsible official present at the meeting to answer questions for the Board. If the Board agrees that EPA is wrong in their demand for a permit revision, they shall instruct the Technical Secretary to conform to EPA's demand, but to issue the permit under protest preserving all rights available for litigation against EPA.

TAPCR 1200-3-9-.02(11)(f)6 and 7.

- A14. Permit transference.** An administrative permit amendment allows for a change of ownership or operational control of a source where the Technical Secretary determines that no other change in the permit is necessary, provided that the following requirements are met:
- (a) Transfer of ownership permit application is filed consistent with the provisions of 1200-3-9-.03(6), and
  - (b) written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Technical Secretary.

TAPCR 1200-3-9-.02(11)(f)4(i)(IV) and 1200-3-9-.03(6)

- A15. Air pollution alert.** When the Technical Secretary has declared that an air pollution alert, an air pollution warning, or an air pollution emergency exists, the permittee must follow the requirements for that episode level as outlined in TAPCR 1200-3-9-.03(1) and TAPCR 1200-3-15-.03.

- A16. Construction permit required.** Except as exempted in TAPCR 1200-3-9-.04, TAPCR 1200-3-9-.02(11)(f)5, and sources considered insignificant under TAPCR 1200-3-9-.04(5), this facility shall not begin the construction of a new air contaminant source or the modification of an air contaminant source which may result in the discharge of air contaminants without first having applied for and received from the Technical Secretary a construction permit for the construction or modification of such air contaminant source.

TAPCR 1200-3-9-.01(1)(a)

- A17. Notification of changes.** The permittee shall notify the Technical Secretary 30 days prior to commencement of any of the following changes to an air contaminant source which would not be a modification requiring a construction permit.
- (a) change in air pollution control equipment
  - (b) change in stack height or diameter
  - (c) change in exit velocity of more than 25 percent or exit temperature of more than 15 percent based on absolute temperature.

TAPCR 1200-3-9-.02(7)

- A18. Schedule of compliance.** The permittee will comply with any applicable requirement that becomes effective during the permit term on a timely basis. If the permittee is not in compliance the permittee must submit a schedule for coming into compliance which must include a schedule of remedial measure(s), including an enforceable set of deadlines for specific actions.
- TAPCR 1200-3-9-.02(11)(d)3 and 40 CFR Part 70.5(c)

**A19. Title VI.**

(a) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR, Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to Section 82.156.
2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to Section 82.158.
3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to Section 82.161.

(b) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone depleting substance refrigerant in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR, Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

(c) The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program(SNAP) promulgated pursuant to 40 CFR, Part 82, Subpart G, Significant New Alternatives Policy Program.

**A20. 112 (r).** The permittee shall comply with the requirement to submit to the Administrator or designated State Agency a risk management plan, including a registration that reflects all covered processes, by June 21, 1999, if the permittee's facility is required pursuant to 40 CFR, 68, to submit such a plan.

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## SECTION B

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### GENERAL CONDITIONS for MONITORING, REPORTING, and ENFORCEMENT

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- B1. Recordkeeping.** Monitoring and related record keeping shall be performed in accordance with the requirements specified in the permit conditions for each individual permit unit. In no case shall reports of any required monitoring and record keeping be submitted less frequently than at least 180 days.
- (a) Where applicable, records of required monitoring information include the following:
1. The date, place as defined in the permit, and time of sampling or measurements;
  2. The date(s) analyses were performed;
  3. The company or entity that performed the analysis;
  4. The analytical techniques or methods used;
  5. The results of such analyses; and
  6. The operating conditions as existing at the time of sampling or measurement.
- (b) Digital data accumulation which utilizes valid data compression techniques shall be acceptable for compliance determination as long as such compression does not violate an applicable requirement and its use has been approved in advance by the Technical Secretary.
- TAPCR 1200-3-9-.02(11)(e)1(iii)
- B2. Retention of monitoring data.** The permittee shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
- TAPCR 1200-3-9-.02(11)(e)1(iii)(II)II
- B3. Reporting.** Reports of any required monitoring and record keeping shall be submitted to the Technical Secretary in accordance with the frequencies specified in the permit conditions for each individual permit unit. Reporting periods will be dated from the end of the first complete calendar quarter following issuance of this permit unless otherwise noted. Reports shall be submitted within 60 days of the close of the reporting period unless otherwise noted. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by a responsible official. Reports required under "State only requirements" are not required to be certified by a responsible official.
- TAPCR 1200-3-9-.02(11)(e)1(iii)
- B4. Certification.** Except for reports required under "State Only" requirements, any application form, report or compliance certification submitted pursuant to the requirements of this permit shall contain certification by a responsible official of truth, accuracy and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- TAPCR 1200-3-9-.02(11)(d)4
- B5. Annual compliance certification.** The permittee shall submit annually compliance certifications with terms and conditions contained in Sections A, B, D and E of this permit, including emission limitations, standards, or work practices. This compliance certification shall include all of the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable):
- (a) The identification of each term or condition of the permit that is the basis of the certification;
  - (b) The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
  - (c) Whether such method(s) or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;
  - (d) The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in B5(b) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion\* or exceedance\*\* as defined below occurred; and
  - (e) Such other facts as the Technical Secretary may require to determine the compliance status of the source.

\* "Excursion" shall mean a departure from an indicator range established for monitoring under this paragraph, consistent with any averaging period specified for averaging the results of the monitoring.

\*\* "Exceedance" shall mean a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of a percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.

40 CFR Part 70.6(c)(5)(iii) as amended in the Federal Register Vol.62, No.204, October 22, 1997, pages 54946 and 54947

**B6. Submission of compliance certification.** The compliance certification shall be submitted to:

The Technical Secretary  
Division of Air Pollution Control  
ATTN: East Tennessee Permit Program  
9th Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1531

and

Air Planning Branch  
US EPA Region IV  
61 Forsyth Street, SW  
Atlanta, Georgia 30303

TAPCR 1200-3-9-.02(11)(e)3(v)(IV)

**B7. Emergency provisions.** An emergency constitutes an affirmative defense to an enforcement action brought against this source for noncompliance with a technology based emission limitation due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(a) The affirmative defense of the emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that the permittee can identify the probable cause(s) of the emergency. "Probable" must be supported by a credible investigation into the incident that seeks to identify the causes and results in an explanation supported by generally accepted engineering or scientific principles.

2. The permitted source was at the time being properly operated. In determining whether or not a source was being properly operated, the Technical Secretary shall examine the source's written standard operating procedures which were in effect at the time of the noncompliance and any other code as detailed below that would be relevant to preventing the noncompliance. Adherence to the source's standard operating procedures will be the test of adequate preventative maintenance, careless operation, improper operation or operator error to the extent that such adherence would prevent noncompliance. The source's failure to follow recognized standards of practice to the extent that adherence to such a standard would have prevented noncompliance will disqualify the source from any claim of an emergency and an affirmative defense.

3. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

4. The permittee submitted notice of the emergency to the Technical Secretary according to the notification criteria for malfunctions in rule 1200-3-20-.03. For the purposes of this condition, "emergency" shall be substituted for "malfunction(s)" in rule 1200-3-20-.03 to determine the relevant notification threshold. The notice shall include a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding the permittee seeking to establish the occurrence of an emergency has the burden of proof.

(c) The provisions of this condition are in addition to any emergency, malfunction or upset requirement contained in Division 1200-3 or other applicable requirement.

TAPCR 1200-3-9-.02(11)(e)7

**B8. Excess emissions reporting.**

(a) The permittee shall promptly notify the Technical Secretary when any emission source, air pollution control equipment, or related facility breaks down in such a manner to cause the emission of air contaminants in excess of the applicable emission standards contained in Division 1200-3 or any permit issued thereto, or of sufficient duration to cause damage to property or public health. The permittee must provide the Technical Secretary with a statement giving all pertinent facts, including the estimated duration of the breakdown. Violations of the visible emission standard which occur for less than 20 minutes in one day (midnight to midnight) need not be reported. Prompt notification will be within 24 hours of the malfunction and shall be provided by telephone to the Division's Nashville office. The Technical Secretary shall be notified when the condition causing the failure or breakdown has been corrected. In attainment and unclassified areas if emissions other than from sources designated as significantly impacting on a nonattainment area in excess of the standards

will not and do not occur over more than a 24-hour period (or will not recur over more than a 24-hour period) and no damage to property and or public health is anticipated, notification is not required.

(b) Any malfunction that creates an imminent hazard to health must be reported by telephone immediately to the Division's Nashville office and to the State Civil Defense.

(c) A log of all malfunctions, startups, and shutdowns resulting in emissions in excess of the standards in Division 1200-3 or any permit issued thereto must be kept at the plant. All information shall be entered in the log no later than twenty-four (24) hours after the startup or shutdown is complete, or the malfunction has ceased or has been corrected. Any later discovered corrections can be added in the log as footnotes with the reason given for the change. This log must record at least the following:

1. Stack or emission point involved
2. Time malfunction, startup, or shutdown began and/or when first noticed
3. Type of malfunction and/or reason for shutdown
4. Time startup or shutdown was complete or time the air contaminant source returned to normal operation
5. The company employee making entry on the log must sign, date, and indicate the time of each log entry

The information under items 1. and 2. must be entered into the log by the end of the shift during which the malfunction or startup began. For any source utilizing continuous emission(s) monitoring, continuous emission(s) monitoring collection satisfies the above log keeping requirement.

TAPCR 1200-3-20-.03 and .04

**B9. Malfunctions, startups and shutdowns - reasonable measures required.** The permittee must take all reasonable measures to keep emissions to a minimum during startups, shutdowns, and malfunctions. These measures may include installation and use of alternate control systems, changes in operating methods or procedures, cessation of operation until the process equipment and/or air pollution control equipment is repaired, maintaining sufficient spare parts, use of overtime labor, use of outside consultants and contractors, and other appropriate means. Failures that are caused by poor maintenance, careless operation or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions. This provision does not apply to standards found in 40 CFR, Parts 60(Standards of performance for new stationary sources), 61(National emission standards for hazardous air pollutants) and 63(National emission standards for hazardous air pollutants for source categories).

TAPCR 1200-3-20-.02

**B10. Sources located in non-attainment areas or having significant impact on air quality in a non-attainment area.** The owner or operator of all sources located in non-attainment areas or having a significant impact on air quality in a non-attainment area (for the pollutant designated) must submit a report to the Technical Secretary within thirty (30) days after the end of each calendar quarter listing the times at which malfunctions, startups and/or shutdowns, which resulted in emissions greater than any applicable emission limits and the estimated amount of emissions discharged during such times. This report shall also include total emissions during the quarter and be reported in a format specified by the Technical Secretary.

TAPCR 1200-3-20-.04(2)

**B11. Report required upon the issuance of a notice of violation for excess emissions.** The permittee must submit within twenty (20) days after receipt of the notice of violation, the data shown below to assist the Technical Secretary in deciding whether to excuse or validate the violation. If this data has previously been available to the Technical Secretary prior to the issuance of the notice of violation no further action is required of the violating source. However, if the source desires to submit additional information, then this must be submitted within the same twenty (20) day time period. The minimum data requirements are:

- (a) The identity of the stack and/or other emission point where the excess emission(s) occurred;
- (b) The magnitude of the excess emissions expressed in pounds per hour and the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;
- (c) The time and duration of the emissions;
- (d) The nature and cause of such emissions;
- (e) For malfunctions, the steps taken to correct the situation and the action taken or planned to prevent the recurrence of such malfunctions;
- (f) The steps taken to limit the excess emissions during the occurrence reported, and
- (g) If applicable, documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good operating practices for minimizing emissions.

Failure to submit the required report within the twenty (20) day period specified shall preclude the admissibility of the data for consideration of excusal for malfunctions.

TAPCR 1200-3-20-.06(2),(3) and (4)

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## SECTION C

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### PERMIT CHANGES

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- C1. Operational flexibility changes.** The source may make operational flexibility changes that are not addressed or prohibited by the permit without a permit revision subject to the following requirements:
- (a) The change cannot be subject to a requirement of Title IV of the Federal Act or Chapter 1200-3-30.
  - (b) The change cannot be a modification under any provision of Title I of the federal Act or Division 1200-3.
  - (c) Each change shall meet all applicable requirements and shall not violate any existing permit term or condition.
  - (d) The source must provide contemporaneous written notice to the Technical Secretary and EPA of each such change, except for changes that are below the threshold of levels that are specified in Rule 1200-3-9-.04.
  - (e) The change shall not qualify for a permit shield under the provisions of part 1200-3-9-.02(11)(e)6.
  - (f) The permittee shall keep a record describing the changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes. The records shall be retained until the changes are incorporated into subsequently issued permits.

TAPCR 1200-3-9-.02(11)(a)4 (ii)

- C2. Section 502(b)(10) changes.**
- (a) The permittee can make certain changes without requiring a permit revision, if the changes are not modifications under Title I of the Federal Act or Division 1200-3 and the changes do not exceed the emissions allowable under the permit. The permittee must, however, provide the Administrator and Technical Secretary with written notification within a minimum of 7 days in advance of the proposed changes. The Technical Secretary may waive the 7 day advance notice in instances where the source demonstrates in writing that an emergency necessitates the change. Emergency shall be demonstrated by the criteria of TAPCR 1200-3-9-.02(11)(e)7 and in no way shall it include changes solely to take advantages of an unforeseen business opportunity. The Technical Secretary and EPA shall attach each such notice to their copy of the relevant permit.
  - (b) The written notification must include the following:
    - 1. brief description of the change within the permitted facility;
    - 2. specifies the date on which the change will occur;
    - 3. declares any change in emissions; and
    - 4. declares any permit term or condition that is no longer applicable as a result of the change.
  - (c) The permit shield provisions of TAPCR 1200-3-9-.02(11)(e)6 shall not apply to Section 502(b)(10) changes.

TAPCR 1200-3-9-.02(11)(a)4 (i)

- C3. Administrative amendment.**
- (a) Administrative permit amendments to this permit shall be in accordance with 1200-3-9-.02(11)(f)4. The source may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.
  - (b) The permit shield shall be extended as part of an administrative permit amendment revision consistent with the provisions of TAPCR 1200-3-9-.02(11)(e)6 for such revisions made pursuant to item (c) of this condition which meet the relevant requirements of TAPCR 1200-3-9-.02(11)(e), TAPCR 1200-3-9-.02(11)(f) and TAPCR 1200-3-9-.02(11)(g) for significant permit modifications.
  - (c) Proceedings to review and grant administrative permit amendments shall be limited to only those parts of the permit for which cause to amend exists, and not the entire permit.

TAPCR 1200-3-9-.02(11)(f)4

- C4. Minor permit modifications.**
- (a) The permittee may submit an application for a minor permit modification in accordance with TAPCR 1200-3-9-.02(11)(f)5(ii).
  - (b) The permittee may make the change proposed in its minor permit modification immediately after an application is filed with the Technical Secretary.

- (c) Proceedings to review and modify permits shall be limited to only those parts of the permit for which cause to modify exists, and not the entire permit.
- (d) Minor permit modifications do not qualify for a permit shield.

TAPCR 1200-3-9-.02(11)(f)5(ii)

**C5. Significant permit modifications.**

- (a) The permittee may submit an application for a significant modification in accordance with TAPCR 1200-3-9-.02(11)(f)5(iv).
- (b) Proceedings to review and modify permits shall be limited to only those parts of the permit for which cause to modify exists, and not the entire permit.

TAPCR 1200-3-9-.02(11)(f)5(iv)

**C6. New construction or modifications.**

Future construction at this source that is subject to the provisions of TAPCR 1200-3-9-.01 shall be governed by the following:

- (a) The permittee shall designate in their construction permit application the route that they desire to follow for the purposes of incorporating the newly constructed or modified sources into their existing operating permit. The Technical Secretary shall use that information to prepare the operating permit application submittal deadlines in their construction permit.
- (b) Sources desiring the permit shield shall choose the administrative amendment route of TAPCR 1200-3-9-.02(11)(f)4 or the significant modification route of TAPCR 1200-3-9-.02(11)(f)5(iv).
- (c) Sources desiring expediency instead of the permit shield shall choose the minor permit modification procedure route of TAPCR 1200-3-9-.02(11)(f)5(ii) or group processing of minor modifications under the provisions of TAPCR 1200-3-9-.02(11)(f)5(iii) as applicable to the magnitude of their construction.

TAPCR 1200-3-9-.02(11)(d) 1(i)(V)



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## SECTION D

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### GENERAL APPLICABLE REQUIREMENTS

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- D1. Visible emissions.** With the exception of air emission sources exempt from the requirements of TAPCR Chapter 1200-3-5 and air emission sources for which a different opacity standard is specifically provided elsewhere in this permit, the permittee shall not cause, suffer, allow or permit discharge of a visible emission from any air contaminant source with an opacity in excess of twenty (20) percent for an aggregate of more than five (5) minutes in any one (1) hour or more than twenty (20) minutes in any twenty-four (24) hour period; provided, however, that for fuel burning installations with fuel burning equipment of input capacity greater than 600 million btu per hour, the permittee shall not cause, suffer, allow, or permit discharge of a visible emission from any fuel burning installation with an opacity in excess of twenty (20) percent (6-minute average) except for one six minute period per one (1) hour of not more than forty (40) percent opacity. Sources constructed or modified after July 7, 1992 shall utilize 6-minute averaging.

Consistent with the requirements of TAPCR Chapter 1200-3-20, due allowance may be made for visible emissions in excess of that permitted under TAPCR 1200-3-5 which are necessary or unavoidable due to routine startup and shutdown conditions. The facility shall maintain a continuous, current log of all excess visible emissions showing the time at which such conditions began and ended and that such record shall be available to the Technical Secretary or his representative upon his request.

TAPCR 1200-3-5-.01(1), TAPCR 1200-3-5-.03(6) and TAPCR 1200-3-5-.02(1)

- D2. General provisions and applicability for non-process gaseous emissions.** Any person constructing or otherwise establishing a non-portable air contaminant source emitting gaseous air contaminants after April 3, 1972, or relocating an air contaminant source more than 1.0 km from the previous position after November 6, 1988, shall install and utilize the best equipment and technology currently available for controlling such gaseous emissions.

TAPCR 1200-3-6-.03(2)

- D3. Non-process emission standards.** The permittee shall not cause, suffer, allow, or permit particulate emissions from non-process sources in excess of the standards in TAPCR 1200-3-6.

- D4. General provisions and applicability for process gaseous emissions.** Any person constructing or otherwise establishing an air contaminant source emitting gaseous air contaminants after April 3, 1972, or relocating an air contaminant source more than 1.0 km from the previous position after November 6, 1988, shall install and utilize equipment and technology which is deemed reasonable and proper by the Technical Secretary.

TAPCR 1200-3-7-.07(2)

- D5. Particulate emissions from process emission sources.** The permittee shall not cause, suffer, allow, or permit particulate emissions from process sources in excess of the standards in TAPCR 1200-3-7.

- D6. Sulfur dioxide emission standards.** The permittee shall not cause, suffer, allow, or permit Sulfur dioxide emissions from process and non-process sources in excess of the standards in TAPCR 1200-3-14. Regardless of the specific emission standard, new process sources shall utilize the best available control technology as deemed appropriate by the Technical Secretary of the Tennessee Air Pollution Control Board.

- D7. Fugitive Dust.**

(a) The permittee shall not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in demolition of existing buildings or structures, construction operations, grading of roads, or the clearing of land;
2. Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stock piles, and other surfaces which can create airborne dusts;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods shall be employed during sandblasting or other similar operations.

(b) The permittee shall not cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-3-20.

TAPCR 1200-3-8

**D8. Open burning.** The permittee shall comply with the TAPCR 1200-3-4-.04 for all open burning activities at the facility.

TAPCR 1200-3-4

**D9. Asbestos.** Where applicable, the permittee shall comply with the requirements of 1200-3-11-.02(d) when conducting any renovation or demolition activities at the facility.

TAPCR 1200-3-11-.02(d) and 40 CFR, Part 61

**D10. Annual certification of compliance.** The generally applicable requirements set forth in Section D of this permit are intended to apply to activities and sources that are not subject to source-specific applicable requirements contained in State of Tennessee and U.S. EPA regulations. By annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii) and 1200-3-10-.04(2)(b)1 and compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit compliance certification for these conditions annually.

## SECTION E

### SOURCE SPECIFIC EMISSION STANDARDS, OPERATING LIMITATIONS, AND MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

<b>53-0081</b>	<b>Facility Description:</b>	A. E. Staley Manufacturing Company produces a variety of nutritive corn sweeteners widely used in the food and beverage industries. Staley is a major producer of corn based feed ingredients derived from the corn wet milling process. Staley produces wet and dry corn gluten feed made from a combination of fiber, screenings, and steepwater. A. E. Staley Manufacturing Company, produces ethyl alcohol (ethanol) and supplies customers with two grades of ethanol. One grade, denatured ethanol, is primarily used for blending with gasoline for use as motor fuel. The second, an industrial grade ethanol, is used for such varied applications as vinegar production to manufacturing plastics.
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Conditions E1 through E3 apply to all sources in section E of this permit unless otherwise noted.

**E1. Fee payment: allowable emissions basis.**

**FEE EMISSIONS SUMMARY TABLE FOR MAJOR SOURCE 53-0081**

REGULATED POLLUTANTS	ALLOWABLE EMISSIONS (tons per AAP)	ACTUAL EMISSIONS (tons per AAP)	COMMENTS
<b>PARTICULATE MATTER (PM)</b>	<b>468</b>	<b>N/A</b>	<b>Includes all fee emissions.</b>
<b>PM<sub>10</sub></b>	<b>N/A</b>	<b>N/A</b>	<b>Included as PM.</b>
<b>SO<sub>2</sub></b>	<b>3880</b>	<b>N/A</b>	<b>Includes all fee emissions.</b>
<b>VOC</b>	<b>688</b>	<b>N/A</b>	<b>Includes all fee emissions.</b>
<b>NO<sub>x</sub></b>	<b>1733</b>	<b>N/A</b>	<b>Includes all fee emissions.</b>
<b>CATEGORY OF MISCELLANEOUS HAZARDOUS AIR POLLUTANTS (HAP WITHOUT A STANDARD)*</b>			
<b>VOC FAMILY GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>Fee emissions are included in VOC above.</b>
<b>NON-VOC GASEOUS GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>Fee emissions are included above.</b>
<b>PM FAMILY GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>Fee emissions are included in PM above.</b>
<b>CATEGORY OF SPECIFIC HAZARDOUS AIR POLLUTANTS (HAP WITH A STANDARD)**</b>			
<b>VOC FAMILY GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>MACT (40 CFR Part 63 Subpart FFFF). Fee emissions are not included in VOC above.</b>
<b>NON-VOC GASEOUS GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>Fee emissions are included above.</b>
<b>PM FAMILY GROUP</b>	<b>N/A</b>	<b>AEAR</b>	<b>MACT (40 CFR Part 63 Subpart DDDDD). Fee emissions are included in PM above.</b>
<b>CATEGORY OF NSPS POLLUTANTS NOT LISTED ABOVE***</b>			
<b>EACH NSPS POLLUTANT NOT LISTED ABOVE</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

#### NOTES

**AAP** The Annual Accounting Period (AAP) is a twelve (12) consecutive month period that begins each July 1st and ends June 30th of the following year. The present Annual Accounting Period began July 1, 2005 and ends June 30, 2006. The next Annual Accounting Period begins July 1, 2006 and ends June 30, 2007.

**N/A** N/A indicates that no emissions are specified for fee computation.

**AEAR** AEAR indicates that an Actual Emissions Analysis is Required to determine the actual emissions of:  
(1) each regulated pollutant (Particulate matter, SO<sub>2</sub>, VOC, NO<sub>x</sub> and so forth. See TAPCR 1200-3-26-.02(2)(i) for the definition of a regulated pollutant.),

(2) **each pollutant group** (VOC Family, Non-VOC Gaseous, and Particulate Family), and  
 (3) **the Miscellaneous HAP Category**  
 under consideration during the **Annual Accounting Period**.

\* **Category Of Miscellaneous HAP (HAP Without A Standard):** This category is made-up of hazardous air pollutants that do not have a federal or state standard. Each HAP is classified into one of three groups, the **VOC Family** group, the **Non-VOC Gaseous** group, or the **Particulate (PM) Family** group. **For fee computation**, the **Miscellaneous HAP Category** is subject to the 4,000 ton cap provisions of subparagraph 1200-3-26-.02(2)(i).

\*\* **Category Of Specific HAP (HAP With A Standard):** This category is made-up of hazardous air pollutants (HAP) that are subject to Federally promulgated Hazardous Air Pollutant Standards that can be imposed under Chapter 1200-3-11 or Chapter 1200-3-31. Each individual hazardous air pollutant is classified into one of three groups, the **VOC Family** group, the **Non-VOC Gaseous** group, or the **Particulate (PM) Family** group. **For fee computation**, each individual hazardous air pollutant of the **Specific HAP Category** is subject to the 4,000 ton cap provisions of subparagraph 1200-3-26-.02(2)(i).

\*\*\* **Category Of NSPS Pollutants Not Listed Above:** This category is made-up of each New Source Performance Standard (NSPS) pollutant whose emissions are not included in the **PM, SO<sub>2</sub>, VOC or NO<sub>x</sub>** emissions from each source in this permit. **For fee computation**, each **NSPS pollutant not listed above** is subject to the 4,000 ton cap provisions of subparagraph 1200-3-26-.02(2)(i).

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#### END NOTES

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**The permittee shall:** Pay major source annual **allowable based emission fees**, as requested by the responsible official, in accordance with the above **Fee Emissions Summary Table** beginning July 1, 2006.

The Tennessee Air Pollution Control Division will bill the permittee no later than April 1 prior to the end of each **annual accounting period**. The annual emission fee is due July 1 following the end of each **annual accounting period**. If any part of any fee imposed under TAPCR 1200-3-26-.02 is not paid within fifteen (15) days of the due date, penalties shall at once accrue as specified in TAPCR 1200-3-26-.02(8). Emissions for regulated pollutants shall not be double counted as specified in Condition A8(d) of this permit.

**Payment of the fee due shall be submitted to The Technical Secretary at the address in Condition E2 of this permit.**

TAPCR 1200-3-26-.02 (3) and (9), and 1200-3-9-.02(11)(e)1 (vii)

## E2. **Reporting requirements.**

(a) **Semiannual reports.** The first report shall cover the 6-month period from October 1, 2003 to March 31, 2004 and shall be submitted within 60 days after the 6-month period ending March 31, 2004. Subsequent reports shall be submitted within 60 days after the end of each 6-month period following the first report. Semiannual reports of this facility (53-0081) shall include:

- (1) Reports of any monitoring and recordkeeping required by Conditions **E4-2, E6-2, E6-3, E7-4, E7-5, E8-2, E11-2, E13-2, E14-2, E15-2, E17-3, E17-4, E17-5, E17-6, E17-7, E21-1, E21-2, E22-3, E23-2, E24-2, E25-2, E27-3, E30-2, E31-2, E33-2, E34-6, E34-7, E34-9, E34-10, E34-11, E34-12, E34-13, (SPM#1 E34-24), and E39-8** of this permit.

- (2) The visible emission evaluation readings from Conditions **E4-3, E5-4, E6-4, E7-6, E8-5, E9-5, E11-4, E12-3, E13-3, E14-5, E15-5, E16-5, E17-8, E18-5, E20-5, E21-3, E22-4, E23-3, E24-3, E25-3, E26-4, E27-4, E28-4, E29-6, E30-3, E31-5, E32-5, E33-5, E34-14, E35-5, E36-4, E37-6, E38-5, and E39-7** of this permit if required. However, a summary report of this data is acceptable provided there is sufficient information to enable the Technical Secretary to evaluate compliance.
- (3) Identification of all instances of deviations from **ALL PERMIT REQUIREMENTS**.

**These reports must be certified by a responsible official consistent with condition B4 of this permit and shall be submitted to the Technical Secretary at the address in condition E2(b) of this permit.**

TAPCR 1200-3-9-.02(11)(e)1.(iii)

**(b) Annual compliance certification.** The permittee shall submit annually compliance certifications with terms and conditions contained in Sections D and E of this permit, including emission limitations, standards, or work practice. This compliance certification shall include all of the following (provided that the identification of applicable information may cross-reference the permit or previous reports, as applicable):

- (1) The identification of each term or condition of the permit that is the basis of the certification;
- (2) The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;
- (3) Whether such method(s) or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this permit. If necessary, the owner or operator also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Federal Act, which prohibits knowingly making a false certification or omitting material information;
- (4) The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in E2(b)2 above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion\* or exceedance\*\* as defined below occurred; and;
- (5) Such other facts as the Technical Secretary may require to determine the compliance status of the source.

\* "Excursion" shall mean a departure from an indicator range established for monitoring under this paragraph, consistent with any averaging period specified for averaging the results of the monitoring.

\*\* "Exceedance" shall mean a condition that is detected by monitoring that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) are greater than the applicable emission limitation or standard (or less than the applicable standard in the case of a percent reduction requirement) consistent with any averaging period specified for averaging the results of the monitoring.

**The first certification shall cover the 12-month period from October 1, 2003 to September 30, 2004 and shall be submitted within 60 days after the 12-month period ending September 30, 2004. Subsequent certifications shall be submitted within 60 days after the end of each 12-month period following the first certification.**

These certifications shall be submitted to:

**The Technical Secretary  
Division of Air Pollution Control  
ATTN: East Tennessee Permit Program  
9th Floor, L & C Annex  
401 Church Street  
Nashville, Tennessee 37243-1531**

**and**

**Air Planning Branch  
US EPA Region IV  
61 Forsyth Street, SW  
Atlanta, Georgia 30303**

**E3.** Routine maintenance, as required to maintain specified emission limits, shall be performed on the air pollution control devices.

**Compliance Method:** Maintenance records shall be recorded in a suitable permanent form and kept available for inspection by the division. These records must be kept for a period of not less than five years.

**WETMILL /FEEDHOUSE AREA****53-0081-03****Steep House and Mill House Aspiration:  
Packed Bed Scrubber Control which exhaust through the Mill House Stack**

Conditions E4-1 through E4-3 apply to source 53-0081-03

**E4-1.** The material input rate for this source shall not exceed 8,333 bushels of corn per hour.

Permit 742391P, Condition 2

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E4-2.** Sulfur dioxide emissions from this source shall be emitted through the Mill House Stack and shall not exceed 15.34 pounds per hour.

TAPCR 1200-3-9-.01(4)

Permit 742391P, Condition 3

**Compliance Method:** Compliance shall be assured by maintaining a wet scrubber liquid flow of 382 gallons per minute. A minimum liquid flow of 382 gallons per minute to the scrubber shall be assured by maintaining an average daily current of 8.4 amperes to the scrubber liquid pump and by conducting a daily visual inspection of each scrubber by operating personnel. The average daily electrical current in amperes shall be determined from the average current in amperes over the hours that the scrubber pump is in operation for that day. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the average current flow (amperes) and of a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

The minimum pH level of the scrubber liquid shall be 6 . The pH shall be monitored and recorded once daily. This record shall be retained for a period of not less than five (5) years.

**E4-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 742391P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

- E4-4** Volatile Organic Compound emissions at this source are not subject to regulation under Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Volatile Organic Compound emissions are 28.5 tons per year.

<b>53-0081-06</b>	<b>Cracked Corn Conveying</b>
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Conditions E5-1 through E5-5 apply to source 53-0081-06
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- E5-1.** The maximum capacity for this source shall not exceed 10 tons per hour and 84,000 tons per year.

Permit 038582P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E5-2.** This source may be used to convey cracked corn to the feed milling system or to the new cracked corn loadout bin (formerly the east pellet bin) associated with source 53-0081-52, but not to both simultaneously. When cracked corn is being conveyed to the new cracked corn loadout bin the allowable particulate emission rate for this process shall be set by the current permit for source 53-0081-52 for bag filter exhaust 52A, and the allowable particulate emission rate set by condition E5-3 for this source shall be invalid. When cracked corn is being conveyed to the feed milling system, the allowable particulate emission rate shall be set by condition E5-3, and the allowable particulate emission rate set for source 53-0081-52 for bag filter exhaust 52A shall be invalid.

Permit 038582P, Condition 5

- E5-3.** Particulate matter emitted from this source shall not exceed 0.24 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 038582P, Condition 6

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-06) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-06).

- E5-4.** Visible emissions from the feed house stack shall not exceed 20 percent opacity, except for five (5) minutes in any one hour, up to twenty (20) minutes in twenty-four (24) hours as determined by Tennessee Visible Emission Evaluation Method 2 as adopted by the Tennessee Air Pollution Control Board on August 24, 1984.

TAPCR 1200-3-5-.01  
Permit 038582P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

- E5-5.** For the purpose of establishing annual emission fees for this source in accordance with TAPCR 1200-3-26, a determination has been made that this source does not produce any sulfur dioxide, nitrogen oxides, volatile organic compounds, or carbon monoxide emissions. Therefore, the allowable emission rate for any pollutants specified in this condition is zero (above that contained in the ambient air).

Permit 038582P, Condition 2

<b>53-0081-07</b>	<b>Germ Dryer System:</b> <b>This operation consists of a first pass dryer followed by a second pass steam tube dryer used to chemically process corn. Each dryer has a high efficiency cyclone combined with a common wet scrubber which exhaust through the Feedhouse #2 Stack.</b>
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Conditions E6-1 through E6-4 apply to source 53-0081-07
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- E6-1.** The material input rate for this source shall not exceed 29.6 tons of wet germ per hour.

Permit 742393P, Condition 2

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E6-2.** Particulate matter emitted from this source shall not exceed 3.11 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 742393P, Condition 3

**Compliance Method:** Compliance shall be assured by maintaining a wet scrubber liquid flow of 300 gallons per minute. A minimum liquid flow of 300 gallons per minute to the scrubber shall be assured by maintaining an average daily current of 6.2 amperes to the scrubber liquid pump and by conducting a daily visual inspection of each scrubber by operating personnel. The average daily electrical current in amperes shall be determined from the average current in amperes over the hours that the scrubber pump is in operation for that day. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the average current flow (amperes) and of a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

The minimum pH level of the scrubber liquid shall be 5. The pH shall be monitored and recorded once daily. This record shall be retained for a period of not less than five (5) years.

- E6-3.** Sulfur dioxide emitted from this source shall not exceed 2.19 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 742393P, Condition 4

**Compliance Method:** Compliance with Condition E6-2 shall be deemed compliance with this condition.

- E6-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)



TAPCR 1200-3-5-.03(6)  
Permit 742393P, Condition 5

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

- 6-5** Volatile Organic Compound emissions at this source are not subject to regulation under Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Volatile Organic Compound emissions are 44.3 tons per year.

<b>53-0081-16 PSD, BACT</b>	<b>Gluten Meal and Feed Manufacturing Process</b> Gluten Filter Aspiration with wet scrubber control (PES 05) Gluten Dryer with two cyclones with wet scrubber control (PES 16) Rotary Feed Dryer #1 with two cyclones with wet scrubber control (PES 18) Rotary Feed Dryer #2 with two cyclones with wet scrubber control (PES 19) Rotary Feed Cooler with cyclone control (PES 20) Feed Milling with cyclone and wet scrubber control (PES 21) Feed Pellet Cooling with cyclone and wet scrubber control (PES 22) Steam Tube Feed Dryer #3 with cyclone and wet scrubber (PES 94)
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Conditions E7-1 through E7-6 apply to source 53-0081-16

- E7-1.** The material input rate for each emission unit of this source shall not exceed:

- (a) 10.2 tons of dry gluten per hour for the gluten filter aspiration,
- (b) 41.0 tons of wet gluten per hour for the gluten dryer,
- (c) 83.5 tons of wet gluten feed per hour for rotary feed dryer #1,
- (d) 83.5 tons of wet gluten feed per hour for rotary feed dryer #2,
- (e) 105.5 tons of wet gluten feed per hour for the rotary steam dryer,
- (f) 60.1 tons of wet gluten feed per hour for the rotary feed cooler,
- (g) 60.1 tons of wet gluten feed per hour for the feed milling, and
- (h) 60.1 tons of wet gluten feed per hour for the feed pellet cooling.

Permit 953811P, Condition 2

**Compliance Method:** A log of the process material input rates in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E7-2.** The fuel heat input rate for each emissions unit of this source shall not exceed:

- (a) 30,000,000 BTU per hour for the gluten dryer
- (b) 50,000,000 BTU per hour for rotary feed dryer #1, and
- (c) 50,000,000 BTU per hour for rotary feed dryer #2.

The Technical Secretary may require the company to demonstrate compliance with these limits.

**E7-3.** Natural gas and #6 fuel oil only shall be used as fuels for this source.

Permit 953811P, Condition 4

**E7-4.** The #6 fuel oil usage rate for this source shall not exceed 6,700,000 gallons in any period of 12 consecutive months.

Permit 953811P, Condition 5

**Compliance Method:** Compliance shall be assured by maintaining the following log

MONTHLY LOG #6 FUEL OIL	
MONTH/YEAR	#6 Fuel Oil Usage (FOU) (gallons per month)
Total	FOU12*

\* The FOU12 value is the sum of #6 fuel oil used in the 11 months preceding the month just completed + the fuel oil used in the month just completed. If data is not available for the 11 months preceding the initial use of this Table, this value will be equal to the value for #6 fuel oil used per month. For the second month it will be the sum of the first month and the second month. Indicate in parentheses the number of months summed [i.e., 6000 (2) represents 6000 gallons used in 2 months]. This log is the total amount of #6 fuel oil used on a 12 month consecutive basis. **Note:** the 12 month total at the end of each June is to be used in calculating emissions for fee purposes.

**E7-5.** Emissions from this source shall not exceed the following amounts in pounds per hour when emitted through the respective stacks:

<u>Pollutant</u>	<u>Feedhouse Stack (FHS #1)</u>	<u>Boiler House Stack</u>
Particulate Matter (TSP)	31.43	39
Sulfur Dioxide (SO <sub>2</sub> )	167.62	463
Carbon Monoxide (CO)	26.09	29
Nitrogen Oxides (NO <sub>x</sub> )	141.5	136
Volatile Organic Compounds (VOC)	89.20	4

In addition, emissions from each emissions unit of this source shall not exceed the following amounts in pounds per hour:

<u>Emissions Unit</u>	<u>TSP</u>	<u>VOC</u>	<u>SO<sub>2</sub></u>
Gluten Filter Aspiration	---		0.7
Vacuum Pumps Aspiration	---		0.6
Gluten Dryer	9.0		39.3
Rotary feed Dryer #1	6.6		65.1
Rotary Feed Dryer #2	6.6		65.1
Steam Tube Feed Dryer	3.33		2.36
Rotary Feed Cooler	3.21		---
Feed Milling	0.79		---

TAPCR 1200-3-9-.01(4)

**Compliance Method:** Compliance with TSP, SO<sub>2</sub>, and VOC emissions shall be assured by maintaining the following parametric monitoring values:

Gluten Meal and Feed Manufacturing Process	Minimum Scrubber Flow Rate (gallons per minute)	Average daily current to scrubber pump (amperes)	Minimum pH of scrubber liquid
Gluten Filter Aspiration	170	5.8	6
Vacuum Pumps Aspiration	143	2.2	6
Gluten Dryer	294	Not applicable	6
Rotary Feed Dryer #1	235	Not applicable	4
Rotary Feed Dryer #2	235	Not applicable	4
Rotary Feed Cooler	100	Not applicable	Not applicable
Feed Milling	300	8.0	Not applicable
Feed Pellet Cooling	300	8.0	Not applicable
Steam Tube Feed Dryer #3	300	6.2	5

For example, the gluten filter aspiration has a minimum wet scrubber liquid flow of 170 gallons per minute and a minimum pH of 6 for the scrubber liquid. A minimum liquid flow of 170 gallons per minute to the scrubber shall be assured by maintaining an average daily current of 5.8 amperes to the scrubber liquid pump and by conducting a daily visual inspection of each scrubber by operating personnel. The average daily electrical current in amperes shall be determined from the average current in amperes over the hours that the scrubber pump is in operation for that day. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the average current flow (amperes) and of a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five years.

For sources with no corresponding daily average current readings the permittee shall assure compliance by maintaining the minimum flow rate listed above and by conducting a daily visual inspection of each scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the flow rate and of a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

The pH level of the scrubber liquid shall be monitored and recorded once daily. This record shall be retained for a period of not less than five (5) years.

Compliance with the above CO and NO<sub>x</sub> emission limits shall be assured by keeping a log of the fuel oil usage, the highest total oil flow, and the hour with the highest total oil flow in each 24 hour period for all oil burners used by this source and by AP-42 emission factors (Table 1.3-1 & Table 1.4-1). (Attachment #2) This log must be retained for a period of not less than five (5) years.

Volatile Organic Compound emissions for Gluten Filter Aspiration and Vacuum Pumps Aspiration are not subject to regulation under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Volatile Organic Compound emissions are 7.6 and 6.6 tons per year respectively.

Carbon Monoxide emissions at the Steam Tube Feed Dryer #3 are not regulated under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Carbon Monoxide emissions are 17.52 tons per year.

NOTE: Emissions from Gluten Filter Aspiration (SO<sub>2</sub> - 0.7 #/Hr, 3.07 T/Yr and VOC - 7.6 T/Yr); Vacuum Pumps Aspiration (SO<sub>2</sub> - 0.6 #/Hr, 2.63 T/Yr and VOC - 6.6 T/Yr); and the Steam Tube Feed Dryer #3 (TSP - 3.33 #/Hr, 14.85 T/Yr, SO<sub>2</sub> - 2.36 #/Hr, 10.34 T/Yr, and CO - 4 #/Hr, 17.52 T/Yr) are not included in Feed house Stack (FHS #1) emissions but have been included separately in the allowable emissions

- E7-6.** Visible emissions from the feedhouse stack (FHS #1) shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 953811P, Condition 8

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-17</b>	<b>Gluten Conveying and Gluten Meal Loadout</b>
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Conditions E8-1 through E8-5 apply to source 53-0081-17
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- E8-1.** Capacity for the gluten conveying shall not exceed 9.5 tons per hour and 83,000 tons per year.  
Capacity for the gluten meal loadout shall not exceed 180 tons per hour and 83,000 tons per year.

Permit 039647P, Condition 2

**Compliance Method:** A log of the process material input rates in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E8-2.** Particulate matter emitted from this source shall not exceed 2.57 pounds per hour

TAPCR 1200-3-7-.01(5)  
Permit 039647P, Condition 3

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

- E8-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 039647P, Condition 4

- E8-4.** A determination has been made that this source does not produce any CO, and NO<sub>x</sub>, emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 039647P, Condition 5

- E8-5.** Visible emissions from the baghouse and from the feed loadout building shall not exceed zero (0) percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 039647P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-49**

**Germ Transfer and Unloading**

Conditions E9-1 through E9-5 apply to source 53-0081-49

- E9-1.** Capacity shall not exceed 20 tons per hour and 104,000 tons per year.

Permit 019894P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E9-2.** Particulate matter emitted from this source shall not exceed 0.03 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 019894P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-49) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-49).

**E9-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019894P, Condition 3

**E9-4.** A determination has been made that this source does not produce any CO, NO<sub>x</sub>, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019894P, Condition 4

**E9-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 019894P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-52</b>	<b>Pellet Loadout</b>
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Conditions E10-1 through E10-5 which were previously applicable to this source are deleted from this permit and purposely blank. These conditions are combined with and/or superseded by the conditions of source 53-0081-06, Cracked Corn Conveying; 53-0081-16, Gluten Meal Production; or 53-0081-22, Feed Pellet Cooling.
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**53-0081-62**      **Barge Facility (A & B)**  
**Corn Receiving and Feed Pellets**  
**Shipping with Baghouses**

Conditions E11-1 through E11-4 apply to source 53-0081-62

**E11-1.** Input capacity for this source shall not exceed 750 tons per hour of feed pellets and 750 tons per hour of corn.

**Compliance Method:** A log of the process material input rates in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E11-2.** Particulate matter emitted from this source shall not exceed 1.0 pounds per hour.

TAPCR 1200-3-7-.01(5)  
Permit 036654P, Condition 1

**Compliance Method:**    **1.** The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

**2.** Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

**E11-3.** To assure that the baghouse catch materials do not create a fugitive emissions problem while being disposed of or recycled, the openings of the collection bins and the collected materials shall be covered prior to any transfer from the control device.

**E11-4.** Visible emissions from stacks, building openings, and fugitive sources shall not exceed 10 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 036654P, Condition 2

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-64      Germ Dewatering**

Conditions E12-1 through E12-3 apply to source 53-0081-64

**E12-1.** The material input rate for this source shall not exceed 8,333 bushels of corn per hour.

Permit 946920P, Condition 2

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E12-2.** Sulfur dioxide emitted from this source shall not exceed 3.5 pounds per hour and 15.3 tons per year.

TAPCR 1200-3-14-.03(5)  
Permit 946920P, Condition 3

**Compliance Method:** Sulfur dioxide emissions from the Germ Dewatering stack were measured at 0.54 pounds per hour during source emissions testing on February 11, 2004. This emissions rate demonstrates compliance with the allowable sulfur dioxide emission rate of 3.5 pounds per hour and 15.3 tons per year.

**E12-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 946920P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**E12-4** Volatile Organic Compound emissions at this source are not subject to regulation under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Volatile Organic Compound emissions are 0.5 tons per year.

**53-0081-68      Germ Cooler, Conveyor, and Storage Bin Vent. Baghouse Control**

Conditions E13-1 through E13-3 apply to source 53-0081-68

**E13-1.** The maximum materials (dry germ) processing rate shall not exceed 29.6 tons per hour, based on a 24 hour average

Permit 949951P, Condition 2



**Compliance Method:** A log of the process material (germ), in a form that readily shows compliance with this condition, must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be kept for a minimum of five (5) years.

- E13-2.** Particulate matter emitted from this source shall not exceed 0.02 grains per dry standard cubic foot (0.34 pounds per hour). This emission limitation is established pursuant to Rule 1200-3-7-.01(5) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated August 6, 1998 from the permittee.

Permit 949951P, Condition 3

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

- E13-3.** Visible emissions from stacks, building openings, and fugitive sources shall not exceed 10 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 949951P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

## ELEVATOR AREA

**53-0081-01**      **Corn Unloading System**  
**Baghouse Control**

Conditions E14-1 through E14-5 apply to source 53-0081-01

- E14-1.** Capacity shall not exceed 896 tons per hour and 1,640,000 tons per year.

## Permit 019874P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E14-2.** Particulate matter emitted from this source shall not exceed 1.79 pounds per hour and 1.6 tons per year.

TAPCR 1200-3-9-.01(4)

## Permit 019874P, Condition 2

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

**E14-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

## Permit 019874P, Condition 3

**E14-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub> emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

## Permit 019874P, Condition 4

**E14-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

## Permit 019874P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-02</b>	<b>Elevator Dust System Baghouse Control</b>
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Conditions E15-1 through E15-5 apply to source 53-0081-02
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**E15-1.** Capacity shall not exceed 292 tons per hour and 1,640,000 tons per year.

Permit 019875P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E15-2.** Particulate matter emitted from this source shall not exceed 1.17 pounds per hour and 3.3 tons per year.

TAPCR 1200-3-9-.01(4)  
Permit 019875P, Condition 2

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

**E15-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 019875P, Condition 3

**E15-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub> emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019875P, Condition 4

**E15-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

Permit 019875P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-48</b>	<b>Vacuum Cleaning System</b>
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Conditions E16-1 through E16-5 apply to source 53-0081-48
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**E16-1.** Capacity shall not exceed 1.5 tons per hour and 390 tons per year.

Permit 019893P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E16-2.** Particulate matter emitted from this source shall not exceed 0.12 pounds per hour and 0.1 tons per year.

TAPCR 1200-3-9-.01(4)

Permit 019893P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-48) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-48).

**E16-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019893P, Condition 3

**E16-4.** A determination has been made that this source does not produce any CO, and NO<sub>x</sub>, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019893P, Condition 4

**E16-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

Permit 019893P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

## REFINERY AREA

**53-0081-23**      **Carbon Regeneration Furnace No. 1**  
**Natural Gas Fired Furnace. Afterburner & Wet scrubber as Controls.**  
**Furnace Heat Input Capacity: 14.5 MMBtu/hr.**

Conditions E17-1 through E17-8 apply to source 53-0081-23

**E17-1.** The maximum input capacity of the carbon regeneration furnace shall not exceed the amount as given in the approved confidential application dated December 7, 1999.

Permit 952667P, Condition 2

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E17-2.** The maximum design heat input capacity for the furnace is 14,500,000 BTU per hour, on a daily average. The Technical Secretary may require the company to demonstrate compliance with this limit.

Permit 952667P, Condition 13

**Compliance Method:** A log of daily material usage (spent carbon cake) and records of monthly fuel usage must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E17-3.** Particulate matter emitted from this source shall not exceed 0.025 grains per dry standard cubic (1.0 lb/hr). This emission limitation is established pursuant to Rule 1200-3-26-.02(6)(b) of the Tennessee Air Pollution Control Regulations and the information contained in the agreement letter dated April 6, 2000. The permittee has requested this limit in order to reduce annual emission fees.

Permit 952667P, Condition 3

**Compliance Method:** Compliance shall be assured by maintaining a wet scrubber liquid flow of 372 gallons per minute for the impingement scrubber and 76 gallons per minute for the venturi scrubber. These minimum flows to the scrubbers shall be assured by conducting a daily visual inspection of each scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubbers. A daily record of the visual inspection of the

scrubbers to insure proper operation of each scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

The minimum pH level of the scrubber liquid shall be 7. The pH shall be monitored and recorded once daily. This record shall be retained for a period of not less than five (5) years.

**E17-4.** Sulfur dioxide emitted from this source shall not exceed 5.0 lb/hr.

TAPCR 1200-3-14-.03(5)  
Permit 952667P, Condition 4

**Compliance Method:** Compliance with Condition E17-3 shall be deemed compliance with this condition.

**E17-5.** Nitrogen dioxide emitted from this source shall not exceed 3.0 lb/hr.

TAPCR 1200-3-7-.07(2)  
Permit 952667P, Condition 5

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for natural gas (100 pounds per million cubic feet natural gas, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E17-6.** Carbon monoxide emitted from this source shall not exceed 5.0 lb/hr.

TAPCR 1200-3-7-.07(2)  
Permit 952667P, Condition 6

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for natural gas (84 pounds per million cubic feet natural gas, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E17-7.** Volatile Organic Compounds (VOC) emitted from this source shall not exceed 5.0 lb/hr.

TAPCR 1200-3-7-.07(2)

**Compliance Method:** Compliance with Condition **E17-3** shall be deemed compliance with this condition.

**E17-8.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 952667P, Condition 8

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-24 Soda Ash Unloading**

Conditions E18-1 through E18-5 apply to source 53-0081-24

**E18-1.** Capacity shall not exceed 20 tons per hour and 36,500 tons per year.

Permit 019882P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E18-2.** Particulate matter emitted from this source shall not exceed 0.51 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 019882P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-24) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-24).

**E18-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019882P, Condition 3

**E18-4.** A determination has been made that this source does not produce any CO, NOx, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019882P, Condition 4

**E18-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 019882P, Condition 8

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

<b>53-0081-26</b>	<b>Filter/Aid Carbon Supply System</b>
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Conditions E19-1 through E19-5 apply to source 53-0081-26
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**E19-1.** Capacity shall not exceed 2.0 tons per hour and 2,000 tons per year.

Permit 019883P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E19-2.** Particulate matter emitted from this source shall not exceed 0.17 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 019883P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-26) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-26).

**E19-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 019883P, Condition 3

**E19-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub> emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019883P, Condition 4

**E19-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 019883P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.



<b>53-0081-53</b>	<b>Hydrochloric Acid System</b> <b>2 scrubbers</b>
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Conditions E20-1 through E20-5 apply to source 53-0081-53
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**E20-1.** Capacity shall not exceed 9,000 gallons per hour.

Permit 019898P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E20-2.** Hydrochloric Acid (HCl) emitted from this source shall not exceed 0.1 pounds per hour.

TAPCR 1200-3-9-.01(4)  
Permit 019898P, Condition 2

**Compliance Method:** The potential to emit hydrochloric acid from this source (53-0081-53) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-53).

**E20-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 019898P, Condition 3

**E20-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub> emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019898P, Condition 4

**E20-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

**53-0081-66          Jet Foam Trap Exhaust**

Conditions E21-1 through E21-3 apply to source 53-0081-66

- E21-1.** Volatile organic compounds emitted from this source shall not exceed 5 tons per year. This emission limitation is established pursuant to the information contained in the agreement letter dated January 23, 2003.

TAPCR 1200-3-7-.07(2)

**Compliance Method:** The permittee shall monitor average valve output which will be limited to less than an annualized average of a 22% open valve position at 3 psig (normal pressure). The permittee will track a 30 day running average of the valve output. The permittee will provide an annual report showing that the average % open is less than 22%.

- E21-2.** Sulfur dioxide emitted from this facility shall not exceed 5 tons per year. This emission limitation is established pursuant to the information contained in the agreement letter dated January 23, 2003.

TAPCR 1200-14-.01(3)

**Compliance Method:** The permittee shall monitor average valve output which will be limited to less than an annualized average of a 22% open valve position at 3 psig (normal pressure). The permittee will track a 30 day running average of the valve output. The permittee will provide an annual report showing that the average % open is less than 22%.

- E21-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

- E21-4** Volatile Organic Compound emissions at the Jet Vapor Condensate Tank are not subject to regulation under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only s Volatile Organic Compound emissions are 64.9 tons per year.

- E21-5** Sulfur Dioxide emissions at the Jet Vapor Condensate Tank are below the significance threshold specified in Tennessee Air Pollution Control Regulation 1200-3-9-.04(5)(a)4.(i) and therefore not regulated under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Sulfur Dioxide emissions are 2.63 tons per year.

53-0081-90	Starch Spray Dryer System Baghouse Control
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Conditions E22-1 through E22-5 apply to source 53-0081-90
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**E22-1.** The maximum process weight rates (PWR) shall not exceed the following:

- 90A – Railcar Receiver: 40,000 pounds per hour
- 90B – Starch/Maltodextrin Spray Dryer: 75,000 pounds per hour
- 90C & 90D – Two Product Bins: 40,000 pounds per hour total
- 90H – Unloading Receiver Bin: 40,000 pounds per hour
- 90I – Bag Dump: 1,000 pounds per hour

Permit 947624P, Condition 2

**Compliance Method:** A log of the process material input rates in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E22-2.** The maximum heat input rate to the natural gas burning spray dryer shall not exceed 47.5 MM BTU per hour. The Technical Secretary may require the company to demonstrate compliance with this limit.

**E22-3.** Particulate matter (PM10) emitted from this source shall not exceed the following:

Source	Particulate Concentration (Grains per Dry Standard Cubic Foot)
90A – Rail Car Receiving	0.01
90B – Starch Spray Dryer	0.005
90C & 90D – Two Starch Product Bins	0.01
90H – Unloading Receiver Bin	0.01
90I – Bag Dump	0.01

Regardless of the above-specified emission limits, the total amount of particulate matter emitted from this source shall not exceed 5.36 pounds per hour.

TAPCR 1200-3-9-.01(4)

Permit 947624P, Condition 3

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

- E22-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 947624P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

- E22-5.** All waste materials, raw materials and finished products shall be stored in appropriately enclosed containers.

<b>53-0081-91</b>	<b>Bag Packer Facility</b>
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Conditions E23-1 through E23-3 apply to source 53-0081-91
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- E23-1.** The stated design material processing rate for this source is 40,000 pounds per hour and the truckload rate is limited to 60,000 pounds per hour.

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E23-2.** Particulate matter (PM10) emitted from this source including truck loadout shall not exceed 0.01 grains per dry standard cubic foot (3.02 pounds per hour).

TAPCR 1200-3-9-.01(4)  
Condition 954083P, Condition 3

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

- E23-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 954083P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-93**  
**PSD, BACT**

**Corn Sweetner Drying, Conveying and Packaging Operations**  
**Wet Scrubber**

Conditions E24-1 through E24-3 apply to source 53-0081-93

- E24-1.** The maximum process weight rate (PWR) shall not exceed the following:

Corn Sweetner Solid Dryer/Cooler: 91,000 pounds per hour  
Corn Sweetner Product Bins: 26,000 pounds per hour.

Permit 034395P, Condition 1

**Compliance Method:** A log of the process material input rates in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E24-2.** Particulate matter emitted from this source shall not exceed 1.1 pounds per hour.

TAPCR 1200-3-7-.01(5)  
Permit 034395P, Condition 2

**Compliance Method:** Compliance shall be assured by maintaining a wet scrubber liquid flow of 270 gallons per minute. A minimum liquid flow of 270 gallons per minute to the scrubber shall be assured by conducting a daily visual inspection of the scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

- E24-3.** Visible emissions from this source shall not exceed 10 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 034395P, Condition 3

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

## ALCOHOL AREA

**53-0081-28**      **CO2 Scrubbing System: One (1) Fermentor CO2 Scrubber (PES 28A) and One (1) Propagator' 'Scrubber in series with One (1) Regenerative Thermal Oxidizer (PES 28B)**

Conditions E25-1 through E25-3 apply to source 53-0081-28

**E25-1.** Input capacity for this source shall not exceed 8,300 gallons of alcohol per hour (54,800 pounds per hour) for each scrubber or 16,600 gallons per hour (109,600 pounds per hour), total

**Compliance Method:** A log of the alcohol input in a form that readily shows compliance with this condition, must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E25-2.** Volatile organic compounds (VOC) emitted from this source shall not exceed 5.6 pounds per hour and 8.3 tons per any twelve (12) consecutive months.

**Compliance Method:** The permittee shall assure compliance by maintaining a minimum scrubber flow rate of 50 gallons per minute for PES 28A and 19 gallons per minute for PES 28B, maintaining the average daily operating temperature of the regenerative thermal oxidizer in series with the propagators' scrubber at PES 28B at a minimum of 1400 °F and by conducting a daily visual inspection of each scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubbers. A daily record of the flow rates, the average daily operating temperature of the regenerative thermal oxidizer and a visual inspection of the scrubbers to insure proper operation of the scrubbers shall be maintained. Records shall be retained for a period of not less than five (5) years.

Permit 743043P, Condition 3

**E25-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 743043P, Condition 5

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-54</b>	<b>Two (2) Denatured Alcohol Storage Tanks: Each 300,000 Gallons Capacity and Fixed Roof Tanks with Internal Floating Roof.</b>
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Conditions E26-1 through E26-4 apply to source 53-0081-54
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**E26-1.** The stated design storage capacity for each storage tank is 300,000 gallons, with a throughput of 72,708,000 gallons per year (total of 145,416,000 gallons per year for the source)

Permit 954656P, Condition 2

**Compliance Method:** A log of the turnover rate for each storage tank must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E26-2.** A determination has been made that this source does not produce any SO<sub>2</sub> or particulate matter emissions. Therefore, the allowable emissions for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 954656P, Condition 7

**E26-3.** Volatile organic compounds (VOC) emitted from this source shall not exceed 0.95 pounds per hour.

TAPCR 1200-3-18-.03(2)

Permit 954656P, Condition 3

**Compliance Method:** The potential to emit volatile organic compounds from this source (53-0081-54) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-54).

**E26-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 954656P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-55</b>	<b>Alcohol Storage and Loadout; Aspirated to Scrubber</b>
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Conditions E27-1 through E27-4 apply to source 53-0081-55
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**E27-1.** This source has a throughput of 72,708,000 gallons per year (total of 145,416,000 gallons per year for the source).

**Compliance Method:** A log of the turnover rate must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E27-2.** A determination has been made that this source does not produce any SO<sub>2</sub> or particulate matter emissions. Therefore, the allowable emissions for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 954657P, Condition 8

**E27-3.** Volatile organic compounds (VOC) emitted from this source shall not exceed 1.83 pounds per hour.

TAPCR 1200-3-9-.01(4)

Permit 954657P, Condition 3

**Compliance Method:** The permittee shall assure compliance by maintaining a minimum scrubber flow rate of 5 gallons per minute and by conducting a daily visual inspection of the scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of the flow rate and a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

**E27-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 954657P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)



**53-0081-59                      One (1) Gasoline Storage (30,000 Gallon Capacity)****Conditions E28-1 through E28-4 apply to source 53-0081-59**

- E28-1.** The stated design storage capacity for this storage tank is 30,000 gallons, with a throughput of 3,640,000 gallons per year. The Technical Secretary may require the company to demonstrate compliance with this rate.

Permit 954658P, Condition 2

**Compliance Method:** A log of the turnover rate must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E28-2.** A determination has been made that this source does not produce any SO<sub>2</sub> or particulate matter emissions. Therefore, the allowable emissions for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 954658P, Condition 7

- E28-3.** Volatile organic compounds (VOC) emitted from this source shall not exceed 2.93 pounds per hour and 1.4 tons per year.

TAPCR 1200-3-9-.01(4)

Permit 954658P, Condition 3

**Compliance Method:** The potential to emit volatile organic compounds from this source (53-0081-59) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-59).

- E28-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 954658P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1.(iii)

- E28-5** Volatile Organic Compound emissions at the Fuel Additive Storage Tank are not subject to regulation under the provisions of Tennessee Air Pollution Control Regulations, 1200-3. In accordance with 1200-3-26-.02(2)(d)3. and for fee purposes only Volatile Organic Compound emissions are 1.6 tons per year.

**53-0081-98**  
**NSPS (State)**

**Storage Tank: for denatured alcohol 1,000,000 gallons capacity;  
with external fixed roof and internal floating roof.**

Conditions E29-1 through E29-6 apply to source 53-0081-98

**E29-1.** Tank storage capacity shall not exceed 1,000,000 gallons.

Permit 943047P, Condition 2

**E29-2.** Volatile Organic Compounds (VOC) emitted from this source (tank) shall not exceed 0.3 tons per year.

TAPCR 1200-3-16-.61(3)

Permit 943047P, Condition 3

**Compliance Method:** The potential to emit volatile organic compounds from this source (53-0081-59) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-59).

**E29-3.** The source shall be subject to the Standard for Volatile Organic Compounds (VOC) requirements as per Tennessee Air Pollution Control Regulations for Volatile Organic Liquid Storage Vessels in Rule 1200-3-16-.61(3)(a)1.

Permit 943047P, Condition 5

**E29-4.** The source shall be subject to the requirements of the Test Methods and Procedures as per Tennessee Air Pollution Control Regulations for Volatile Organic Liquid Storage Vessels in Rule 1200-3-16-.61(4)(a)1.

Permit 943047P, Condition 6

**E29-5.** The source shall be subject to the Reporting and Record keeping requirements of the Tennessee Air Pollution Control Regulations for Volatile Organic Liquid Storage Vessels in Rule 1200-3-16-.61(6)(a).

Permit 943047P, Condition 7

**E29-6.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 943047P, Condition 4

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-99      Alcohol Barge Loadout Facility  
Wet Scrubber as Control**

Conditions E30-1 through E30-3 apply to source 53-0081-99

**E30-1.** The annual throughput shall not exceed 72.8 million gallons of alcohol per year for this source.

Permit 943048P, Condition 2

**Compliance Method:** A log of the alcohol turnover/loadout rate must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E30-2.** Volatile Organic Compounds (VOC) emitted from this source shall not exceed 37.1 tons/year.

Permit 943048P, Condition 3

**Compliance Method:** The control device shall be operated whenever barges equipped with vapor recovery systems are utilized with a liquid flow within a normal operating range as defined by facility experience.

Compliance shall be assured by maintaining a wet scrubber liquid flow of 3.5 gallons per minute and by conducting a daily visual inspection of each scrubber by operating personnel. The purpose of the visual inspection shall be to verify normal flow of water within the scrubber. A daily record of a visual inspection of the scrubber to insure proper operation of the scrubber shall be maintained. Records shall be retained for a period of not less than five (5) years.

**E30-3.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 943048P, Condition 5

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**UTILITIES AREA****53-0081-29      Coal Unloading**

Conditions E31-1 through E31-5 apply to source 53-0081-29

**E31-1.** Capacity shall not exceed 300 tons per hour and 292,000 tons per year. The Technical Secretary may require the company to demonstrate compliance with this limit.

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E31-2.** Particulate matter emitted from this source shall not exceed 1.8 pounds per hour and 0.9 tons per year.

TAPCR 1200-3-9-.01(4)  
Permit 019885P, Condition 2

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

**E31-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019885P, Condition 3

**E31-4.** A determination has been made that this source does not produce any CO, and NO<sub>x</sub>, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019885P, Condition 4

**E31-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 019885P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

Conditions E32-1 through E32-5 apply to source 53-0081-30

- E32-1.** Capacity shall not exceed 300 tons per hour and 292,000 tons per year. The Technical Secretary may require the company to demonstrate compliance with this limit.

Permit 019886P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E32-2.** Particulate matter emitted from this source shall not exceed 1.0 ton per year.

TAPCR 1200-3-9-.01(4)

Permit 019886P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-30) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-30).

- E32-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019886P, Condition 3

- E32-4.** A determination has been made that this source does not produce any CO, and NO<sub>x</sub>, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019886P, Condition 4

- E32-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 019886P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

Conditions E33-1 through E33-5 apply to source 53-0081-32

- E33-1.** Capacity shall not exceed 300 tons per hour and 292,000 tons per year. The Technical Secretary may require the company to demonstrate compliance with this limit.

Permit 019887P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E33-2.** Particulate matter emitted from this source shall not exceed 0.9 pounds per hour and 0.4 tons per year.

TAPCR 1200-3-9-.01(4)

Permit 019887P, Condition 2

**Compliance Method:** 1. The control device will be operated and maintained in accordance with manufacturer specifications or best management practices. Routine inspections shall be performed on all control devices. Appropriate maintenance records including inspections, and dates on which maintenance is performed shall be recorded in a suitable permanent form and kept available for inspection.

2. Compliance with this requirement shall be assured by performing daily observations for the presence of visible emissions. If during the observation visible emissions are observed, the facility will initiate corrective action in accordance with the site-specific start-up, shutdown, and malfunction plan.

A record of the daily visible emission observations shall be maintained at the facility and made available for inspection by the Tennessee Division of Air Pollution Control personnel. This record shall be used to assure compliance with this condition and the reporting requirements of Condition **E2** of this permit. Copies of the records must be retained for a period of not less than five years. Reports and certifications shall be submitted in accordance with condition **E2** of this permit.

- E33-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 019887P, Condition 3

- E33-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub>, emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019887P, Condition 4

- E33-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-34</b>	Boilers #1 and #2, Coal Fired Boiler #3, Natural Gas/ #6 Fuel Oil Fired
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Conditions E34-1 through E34-22 apply to source 53-0081-34
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**E34-1.** Individual capacity for the #1 and #2 coal fired boilers shall not exceed 290 million Btu per hour heat input. Total capacity for both #1 and #2 boilers shall not exceed 480 million Btu per hour heat input. The Technical Secretary may require the company to demonstrate compliance with this limit.

**E34-2.** Capacity for the #3 gas/oil fired boiler shall not exceed 180 million Btu per hour heat input. The Technical Secretary may require the company to demonstrate compliance with this limit.

**E34-3.** Annual coal usage shall not exceed 195,000 tons adjusted to 12,000 Btu per pound.

**Compliance Method:** A log of the annual coal usage must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-4.** A log of the operating hours of Boiler #3 must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-5.** The sulfur dioxide emissions from the boiler house stack shall not exceed 686 pounds per hour utilizing a twenty-four hour averaging time period, in any case. The steam generated by boiler #1 and boiler #2 shall be limited to a total of 400,000 pounds steam/hour. In addition, the sulfur dioxide emissions from boiler #1 and boiler #2 shall not exceed 1.2 pounds per million Btu of heat input to each boiler. The averaging time period for this emission limitation shall be three hour time periods.

**Compliance Method:** Compliance with the twenty-four hour emission standard (pounds per hour) shall be determined by use of steam production rates recorded on a one hour basis for each coal boiler. The twenty-four hour steam production average shall be calculated by averaging eight three-hour data averages and must be less than 400,000 pounds of steam per hour.

Consistent with the provisions of Rule 1200-3-20-.06 of the Tennessee Air Pollution Control Regulations, no notice of violation shall be automatically issued unless the specified de minimus level of one (1) 3-hour or 24-hour period per year of sulfur dioxide emissions in excess of the applicable sulfur dioxide emissions standard, as measured by the continuous in-stack sulfur dioxide emissions monitoring system, is exceeded. This exemption from automatic issuance of a notice of violation is applicable provided that good operational and maintenance practices are utilized for the fuel burning equipment, and the 90 percent operational availability of the sulfur dioxide monitoring system is maintained.

TAPCR 1200-3-20-.06

The data averaging time period for the sulfur dioxide monitoring systems shall be three hour periods for the reporting of time periods of excess emissions pursuant to the requirements of 40 CFR 60.45(g)(2)(i).

The spans of the sulfur dioxide monitors installed on Boilers #1 and #2 shall be 1000 ppm of the sulfur dioxide in accordance with the provisions of the letter from Mr. James T. Wilburn of EPA to Harold E. Hodges dated October 31, 1984.

**E34-6.** Emissions from the boiler house stack shall not exceed the following, in any case.

<b>Pollutant</b>	<b>Emissions Rate (pounds per hour)</b>
Particulate matter	48
Nitrogen oxides	239
Carbon monoxide	45
Volatile organic compounds	7

**Compliance Method:** Compliance with the emission limits for nitrogen oxides, carbon monoxide, and volatile organic compounds are based upon calculations using **EPA, AP-42** emission factors for coal (enclosed as Attachment 2 of this permit).

**AP-42 emission factors for combustion of coal:**

<u>Pollutant</u>	<u>Emission Factor</u>
CO	5 pounds per ton
<u>Pollutant</u>	<u>Emission Factor</u>
VOC	0.05 pounds per ton
<u>Pollutant</u>	<u>Emission Factor</u>
NO <sub>x</sub>	11 pounds per ton

Compliance with Condition **E34-14** shall be deemed compliance with the particulate matter emission limit.

**E34-7.** Emissions from boiler #1 and boiler #2 shall not exceed the following:

<b>Pollutant</b>	<b>Emission Rate (Pounds per million Btu)</b>
Particulate matter	0.1 *
Nitrogen oxides	0.35
Carbon monoxide	0.094
Volatile organic compounds	0.0125

\* per boiler by 40 CFR 60, Subpart D

**Compliance Method:** Compliance with the emission limits for nitrogen oxides, carbon monoxide, and volatile organic compounds are based upon calculations using **EPA, AP-42** emission factors for coal (enclosed as Attachment 2 of this permit).

**AP-42 emission factors for combustion of coal:**

<u>Pollutant</u>	<u>Emission Factor</u>
CO	5 pounds per ton
<u>Pollutant</u>	<u>Emission Factor</u>
VOC	0.05 pounds per ton



Pollutant  
NO<sub>x</sub>

Emission Factor  
11 pounds per ton

Compliance with Condition **E34-14** shall be deemed compliance with the particulate matter emission limit.

**E34-8.** The continuous monitoring systems described by paragraph 1200-3-16-.02(6) of the Tennessee Air Pollution Control Regulations are required for boilers #1 and #2.

**E34-9.** Particulate matter emitted from Boiler #3 shall not exceed 0.09 pounds per million Btu.

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for #6 fuel oil (9.19S + 3.22 pounds per 1000 gallons; where S = weight % sulfur in oil, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-10.** Sulfur dioxide emitted from Boiler #3 shall not exceed 1.06 pounds per million Btu.

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for #6 fuel oil (157S pounds per 1000 gallons; where S = weight % sulfur in oil, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-11.** Carbon monoxide emitted from Boiler #3 shall not exceed 0.033 pounds per million Btu.

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for natural gas and #6 fuel oil (84 pounds per million cubic feet natural gas, and 5 pounds per 1000 gallons of #6 fuel oil, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-12.** Nitrogen oxides emitted from Boiler #3 shall not exceed 0.31 pounds per million Btu.

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for natural gas and #6 fuel oil (280 pounds per million cubic feet natural gas, , and 47 pounds per 1000 gallons of #6 fuel oil, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-13.** Volatile organic compounds emitted from Boiler #3 shall not exceed 0.007 pounds per million Btu.

**Compliance Method:** Compliance with this emission limitation is based on calculations using EPA, AP-42 emission factor for #6 fuel oil (1.04 pounds per 1000 gallons of #6 fuel oil, enclosed as Attachment 2 of this permit) and maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E34-14.** The visible emissions from Boilers #1, #2, and #3 shall not exhibit greater than twenty (20) percent opacity except that a maximum of twenty-seven (27) percent opacity shall be permissible for not more than one (1) six minutes in any hour as set forth in 40 CFR 60.42 (a)(2). Opacity data shall be reduced using a six minute data averaging method of data reduction as specified in 40 CFR, Appendix A, Method 9.

**Compliance Method:** Consistent with the provisions of Paragraph 1200-3-5-.03(5) of the Regulations, compliance with the applicable visible emissions standards shall be determined from data generated by the opacity monitoring system, provided the quality assurance and operational availability requirements set forth in this permit are met.

Consistent with the provisions of Rule 1200-3-20-.06 of the Tennessee Air Pollution Control Regulations, no notice of violation shall be automatically issued for periods of visible emissions from the emission point of this fuel burning installation that are in excess of the applicable visible emission standard so long as the total amount of time that the monitored emission point is exceeding the opacity standard (excluding periods of unit startup, unit shutdown, or malfunction and periods when both units exhausting through the common stack are not operating) is not in excess of one (1) percent of the total amount of time in a calendar quarter. This exemption from automatic issuance of a notice of violation is applicable provided that good operational and maintenance practices are utilized for both the fuel burning equipment and the associated air pollution control equipment, the required ninety-five (95) percent operational availability for the opacity monitoring system is maintained, and that no more than one exceedance of greater than twenty-four (24) hours duration occurs per calendar year.

Written responses to the quarterly reports of excess emissions shall constitute prima facie evidence of compliance with the applicable visible emission standard. For purposes of annual certification of compliance with the applicable visible emissions condition, the acceptance, by the Division, of the quarterly reports of excess emissions shall be the basis of said certification.

TAPCR 1200-3-20-.06

The opacity standards set forth in this condition shall apply at all times except during periods of startup, shutdown, and malfunction.

40 CFR 60.11 (c)

#### **E34-15. Quality Assurance Condition for the Opacity Monitoring System**

On-stack quality assurance audits shall be conducted on a semiannual basis. This on-stack quality assurance audit shall consist of a repetition of the calibration error portion of Performance Specification 1 (40 CFR 60, Appendix B) utilizing the on-stack audit device, and written reports of the audits shall be submitted to the Technical Secretary.

As an alternative to this, an off-stack quality assurance audit may be conducted on a biennial calendar basis. If elected, this quality assurance audit shall include, at a minimum, a repetition of the calibration portion of 40 CFR 60, Appendix B, Performance Specification 1. Both the monitor transceiver and retroreflector must be removed from the stack and set up to the stack pathlength prior to conducting the quality assurance. Written reports of the quality assurance checks shall be submitted to the Technical Secretary. Prior to the commencing of the use of this option, the Technical Secretary shall be informed in writing of the election of this option. Utilization of this option shall not be cause for the reopening of this permit.

Within ninety (90) days of each major modification or major repair of any opacity monitor, a repeat of the performance specification test shall be conducted, and a written report of it submitted to the Technical Secretary as proof of the continuous operation of the opacity monitoring system within acceptable limits.

TAPCR 1200-3-10-.02(1)(a)

#### **E34-16. Quality Assurance Condition for the Sulfur Dioxide Monitoring System**

Quality assurance checks shall be performed on each sulfur dioxide monitoring system on an annual basis. The quality assurance checks shall consist of a repetition of the relative accuracy portion of the Performance Specification Test. Written reports of the quality assurance checks shall be submitted to the Technical Secretary.

Within ninety (90) days of each major modification or major repair of any emissions monitor, diluent monitor, or electronic signal combining system, a repeat of the performance specification test shall be conducted, and a written report of it submitted to the Technical Secretary as proof of the continuous operation of the emissions monitoring system within acceptable accuracy limits.

TAPCR 1200-3-10-.02(1)(a)

**E34-17. Operational Availability Condition for the Opacity Monitoring System**

The in-stack opacity monitoring system for this fuel burning installation shall be fully operational for at least ninety-five (95) percent of the operational time of the monitored units during each month of the calendar quarter to demonstrate continual compliance with the applicable visible emission limitation.

Operational availability levels of less than these amounts may be considered the basis for declaring the fuel burning installation in noncompliance with the applicable monitoring requirements, unless the reasons for the failure to maintain these levels of operational availability are accepted by the Division as being legitimate malfunctions of the instruments or due to limited operation of the monitored units.

TAPCR 1200-3-10-.02(1)(a)

**E34-18. Operational Availability Condition for the Sulfur Dioxide Monitoring System**

The use of continuous in-stack monitoring for sulfur dioxide is the method by which this fuel burning installation proves continual compliance with the applicable sulfur dioxide emissions limitation. Therefore, for this fuel burning installation to demonstrate continual compliance with the applicable sulfur dioxide emission limitation, each sulfur dioxide monitoring system shall be fully operational for at least ninety (90) percent of the operational time of the monitored units during each month of the calendar quarter. An operational availability level of less than this amount may be considered the basis for declaring the fuel burning installation in noncompliance with the applicable monitoring requirements, unless the reasons for the failure to maintain this level of operational availability is accepted by the Division as being legitimate malfunctions of the instruments or due to limited operation of the monitored units.

TAPCR 1200-3-10-.02(1)(a)

**E34-19.** From the emissions data generated by the continuous in-stack opacity and sulfur dioxide monitoring systems, quarterly reports of excess opacity emissions and sulfur dioxide emissions shall be generated. The format of these quarterly reports shall meet the requirements of Paragraph 1200-3-10-.02(2) of the Tennessee Air Pollution Control Regulations. These reports shall be submitted to the Division no later than thirty (30) days after the end of each calendar quarter.

TAPCR 1200-3-10-.02(2) and TAPCR 1200-3-9-.02(11)(e)1(iii)

**E34-20.** For sulfur dioxide, eighteen (18) valid one-hour averages are required in order to calculate a valid daily average (midnight to midnight). One-hour averages shall be calculated from four valid 15-minute averages over each one-hour period, except during periods when calibration, quality assurance, or maintenance are being performed. During these periods, a valid one-hour average shall consist of at least two 15-minute averages. In addition to the above criteria regarding the availability of monitor data, operation of the boiler for at least 45 minutes during the hour is required for the one-hour average to be valid.

Average values for opacity may be obtained by integration over the 6-minute averaging period or by arithmetically averaging a minimum of 24 equally spaced, instantaneous opacity measurements per 6-minute period. Opacity data recorded during periods of monitoring system breakdown, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages.

TAPCR 1200-3-9-.02(11)(e)1(iii); 1200-3-10-.02(1)(a); and 1200-3-10-.02(2)

**E34-21.** For opacity monitoring, the reports referenced in condition **E34-19** shall consist of:

- (A) The magnitude in actual percent opacity of all 6-minute averages of opacity greater than the opacity standard for each hour of operation of the source minus one 6-minute exempt period of no more than 27 percent opacity;

- (B) The date and time identifying each period during which the system was inoperative, except for zero and span checks, and the nature of system repairs or adjustments shall be reported. The Technical Secretary may require proof of system performance whenever system repairs or adjustments have been made;
- (C) When no excess emissions have occurred and the system has not been inoperative, repaired, or adjusted, such information shall be included in the report; and
- (D) The nature and cause of excess emissions, if known.

TAPCR 1200-3-10-.02(2) and 1200-3-9-.02(11)(e)(iii)

**E34-22.** For sulfur dioxide monitoring, the reports referenced in condition **E34-19** shall consist of:

- (A) Emission averages, in the units of the applicable standard, for each averaging period during operation of the source.
- (B) Identification of each averaging period in which the applicable standard was exceeded and the nature and cause of excess emissions, if known;
- (C) The date and time identifying each period during which the system was inoperative, except for zero and span checks, and the nature of system repairs or adjustments shall be reported. The Technical Secretary may require proof of system performance whenever system repairs or adjustments have been made; and
- (D) When no excess emissions have occurred and the system has not been inoperative, repaired, or adjusted, such information shall be included in the report.

TAPCR 1200-3-10-.02(2) and 1200-3-9-.02(11)(e)1(iii)

**E34-23.** NO<sub>x</sub> emission tonnage for Boilers #1 and #2 utilized during the ozone season shall be accounted for pursuant to state Rule 1200-3-27-.06 of TAPCR and the federal NO<sub>x</sub> Budget Trading Program and is referenced in the NO<sub>x</sub> budget permit #957286N shown as Attachment No. 3. For Boilers #1 and #2 rated at 480 MM BTU/hr each, the combined NO<sub>x</sub> allocation is currently 264 tons during the 5-month ozone season (May 1 through September 30). Allocated NO<sub>x</sub> tonnage for NO<sub>x</sub> budget combustion units may be subject to change.

Construction permit #957826F and TAPCR 1200-3-27-.06

**Compliance Method:** Compliance with this allocation shall be demonstrated through use of in-stack continuous nitrogen oxides analyzers on Boilers #1 and #2, along with purchasing tonnage, trading tonnage, use of credits, and other methods allowed under 1200-3-27-.06 of TAPCR and the federal NO<sub>x</sub> Budget Trading Program.

The source owner or operator must install, maintain, operate, calibrate, and perform quality assurance checks on in-stack continuous nitrogen oxides monitors on Boilers #1 and #2 in accordance with 40 CFR Part 75 during the ozone season.

**E34-24. SPM#1** Propandiol fermentation byproduct burned in coal fired boilers #1 and #2 shall not exceed 2,700,000 gallons per year.

TAPCR 1200-3-9

**Compliance Method:** Compliance with this shall be demonstrated by maintaining a log of monthly fuel usage that must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**Ash Handling Silo**

Conditions E35-1 through E35-5 apply to source 53-0081-39

**E35-1.** Capacity shall not exceed 21 tons per hour and 35,000 tons per year.

Permit 019889P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E35-2.** Particulate matter emitted from this source shall not exceed 0.13 pounds per hour and 0.1 tons per year.

TAPCR 1200-3-9-.01(4)

Permit 019889P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-39) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-39).

**E35-3.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019889P, Condition 3

**E35-4.** A determination has been made that this source does not produce any CO, and NO<sub>x</sub>, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019889P, Condition 4

**E35-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

Permit 019889P, Condition 6

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-43****#6 fuel oil storage tank (600,000 gallon tank)**

Conditions E36-1 through E36-4 apply to source 53-0081-43
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**E36-1.** Capacity shall not exceed 6,700,000 gallons per year.

Permit 019891P, Condition 1

**Compliance Method:** A log of the turnover rate must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E36-2.** Volatile organic compounds emitted from this source shall not exceed 0.012 pounds per hour.

TAPCR 1200-3-18-.03(2)

Permit 019891P, Condition 2

**Compliance Method:** The potential to emit volatile organic compounds from this source (53-0081-43) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-43).

**E36-3.** A determination has been made that this source does not produce any particulate matter or sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019891P, Condition 3

**E36-4.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

<b>53-0081-44</b>	<b>Dead Pile Coal Storage</b>
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Conditions E37-1 through E37-5 apply to source 53-0081-44
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**E37-1.** Capacity shall not exceed 57,000 tons, not to exceed 171,000 tons per year. The Technical Secretary may require the company to demonstrate compliance with this limit.

Permit 019892P, Condition 1

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

**E37-2.** Particulate matter emitted from this source shall not exceed 1.0 tons per year.

TAPCR 1200-3-9-.01(4)  
Permit 019892P, Condition 2

**Compliance Method:** The potential to emit particulate matter from this source (53-0081-44) is less than five tons per year. In accordance with TAPCD 1200-3-9-.04(5)(c)3. and by annual certification of compliance, the permittee shall be considered to meet the monitoring and related record keeping and reporting requirements of TAPCR 1200-3-9-.02(11)(e)1.(iii), and the compliance requirements of TAPCR 1200-3-9-.02(11)(e)3.(i). The permittee shall submit annually a compliance certification for particulate matter from source (53-0081-44).

**E37-3.** The storage pile shall be coated with an approved dust suppressant.

Permit 019892P, Condition 3

**E37-4.** A determination has been made that this source does not produce any sulfur dioxide emissions. Therefore, the allowable emission rate for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control.

Permit 019892P, Condition 4

**E37-5.** A determination has been made that this source does not produce any CO, and NOx, and VOC emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 019892P, Condition 5

**E37-6.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 019892P, Condition 7

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

Conditions E38-1 through E38-5 apply to source 53-0081-60

- E38-1.** Input capacity for this source shall not exceed 300 tons per hour. The Technical Secretary may require the company to demonstrate compliance with this limit.  
Permit 039650P, Condition 2

**Compliance Method:** A log of the process material input rate in a form that assures compliance with this condition must be maintained at the source location and made available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five (5) years.

- E38-2.** Particulate matter emitted from this source shall not exceed 14.6 tons per year.

TAPCR 1200-3-9-.01(4)  
Permit 039650P, Condition 3

**Compliance Method:** Fugitive emissions from storage piles shall not exceed 5 percent opacity as determined by EPA Method 9, as published in 40 CFR 60, Appendix A. The permittee shall conduct fugitive emissions readings as directed by the Technical Secretary.

- E38-3.** A determination has been made that this source does not produce any SO<sub>2</sub> emissions. Therefore, the allowable emissions for this pollutant is zero (above that contained in the ambient air), pursuant to Rule 1200-3-9-.01(4) of the Tennessee Air Pollution Control Regulations.

Permit 039650P, Condition 4

- E38-4.** A determination has been made that this source does not produce any VOC, CO, and NO<sub>x</sub> emissions. Therefore, the allowable emission rates for these pollutants are zero (above that contained in the ambient air), pursuant to Rule 1200-3-7-.07 of the Tennessee Air Pollution Control.

Permit 039650P, Condition 5

- E38-5.** Visible emissions from this source shall not exceed 20 percent opacity as determined by EPA Method 9 in the current 40 CFR 60, Appendix A. (6 minute average)

TAPCR 1200-3-5-.03(6)  
Permit 039650P, Condition 8

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-9-.02(11)(e)1(iii)

**53-0081-71**

**Emergency Electrical Generation**

**Twelve Natural Gas Lean Burn Technology Reciprocating Natural Gas I.C. Engines**



Conditions E39-1 through E39-9 apply to source 53-0081-71
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**E 39-1** The stated design heat input capacity for each engine is 17.61 million Btu per hour (mmBtu/hr) at HHV, and total heat input for this source is 211.32 mmBtu/hr at HHV for all twelve engines.

**E 39-2** Particulate matter emitted from this source shall not exceed 0.1 pounds per hour (lb/hr) for all twelve engines.

**Compliance Method:** Compliance with this requirement is assured by AP-42 emission factors.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 3

**E 39-3** Sulfur Dioxide (SO<sub>2</sub>) emitted from this source shall not exceed 0.6 lb/hr for all twelve engines.

**Compliance Method:** AP-42 emission factors.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 4

**E 39-4** Nitrogen Oxides (NO<sub>x</sub>) emitted from this source shall not exceed 54.75 lb/hr and 32.9 tons per year for all twelve engines, based on AP-42 emission factors.

**Compliance Method:** Compliance with this requirement is assured by AP-42 emission factors and compliance with Condition E- 39-8.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 5

**E 39-5** Carbon monoxide (CO) emitted from this source shall not exceed 164.92 lbs/hr and 99.0 tons per year for all twelve engines, based on AP-42 emission factors.

**Compliance Method:** Compliance with this requirement is assured by AP-42 emission factors and compliance with Condition E- 39-8.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 6

**E 39-6** Volatile organic compounds (VOC) emitted from this source shall not exceed 42.33 lb/hr and 25.4 tons per year for all twelve engines, based on AP-42 emission factors.

**Compliance Method:** Compliance with this requirement is assured by AP-42 emission factors and compliance with Condition E- 39-8.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 7

**E 39-7** Visible emissions shall not exceed 10 percent or greater opacity as determined by EPA Method 9, as published in the Federal Register, Volume 39, no. 219 on November 12, 1974. (6 minute average)

**Compliance Method:** The permittee shall assure compliance with the opacity standard by utilizing the opacity matrix dated June 18, 1996 that is enclosed as Attachment 1.

If the magnitude and frequency of excursions reported by the permittee in the periodic monitoring for emissions is unsatisfactory to the Technical Secretary, this permit may be reopened to impose additional opacity monitoring requirements.

TAPCR 1200-3-5-.01(3) and 1200-3-9-.02(11)(e)1(iii)

**E 39-8** Operating time shall not exceed 1200 hours per year for each engine. This limitation is established to avoid PSD review pursuant to Rule 1200-3-6-.01(7) of the Tennessee Air Pollution Control Regulations and is based upon the information contained in the agreement letter dated October 19, 2001 from the permittee.

**Compliance Method:** A log of the operating hours and fuel usage in a form that readily shows compliance with Condition E 39-8 must be maintained at the source location and kept available for inspection by the Technical Secretary or his representative. This log must be retained for a period of not less than five years.

TAPCR 1200-3-6-.01(7)  
Permit 954963P Condition 9

**E 39-9** Natural gas only shall be used as fuel for this source.

Permit 954963P Condition 10

**END OF PERMIT NUMBER: 548512**

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**ATTACHMENT 1**

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**OPACITY MATRIX DECISION TREE for  
VISIBLE EMISSION EVALUATION METHOD 2 and METHOD 9  
dated JUNE 18, 1996**

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**Decision Tree PM for Opacity for  
Sources Subject To Rule 1200-3-5-.01  
Utilizing TVEE Method 2**

**Notes:**

PM = Periodic Monitoring  
required by 1200-3-9-.02(11)(e)(iii)

This Decision Tree outlines the criteria by which major sources can meet the periodic monitoring requirements of Title V for demonstrating compliance with the visible emission standards in paragraph 1200-3-5-.01. It is not intended to determine compliance requirements for EPA's Compliance Assurance Monitoring (CAM) Rule (formerly referred to as Enhanced Monitoring - Proposed 40 CFR 64).

Examine each emission source using this Decision Tree to determine the PM required.

Use of continuous emission monitoring systems eliminates the need to do any additional periodic monitoring.

Visible Emission Evaluations (VEEs) are to be conducted utilizing Tennessee Visible Emission Evaluation Method 2. The observer must be properly certified according to the criteria specified in EPA Method 9 to conduct TVEE Method 2 evaluations.

**Typical Pollutants**

Particulates, VOC, CO, SO<sub>2</sub>, NO<sub>x</sub>, HCl, HF, HBr, Ammonia, and Methane

Initial observation to be repeated within 90 days of startup of a modified source if a new construction permit is issued for modification of the source.

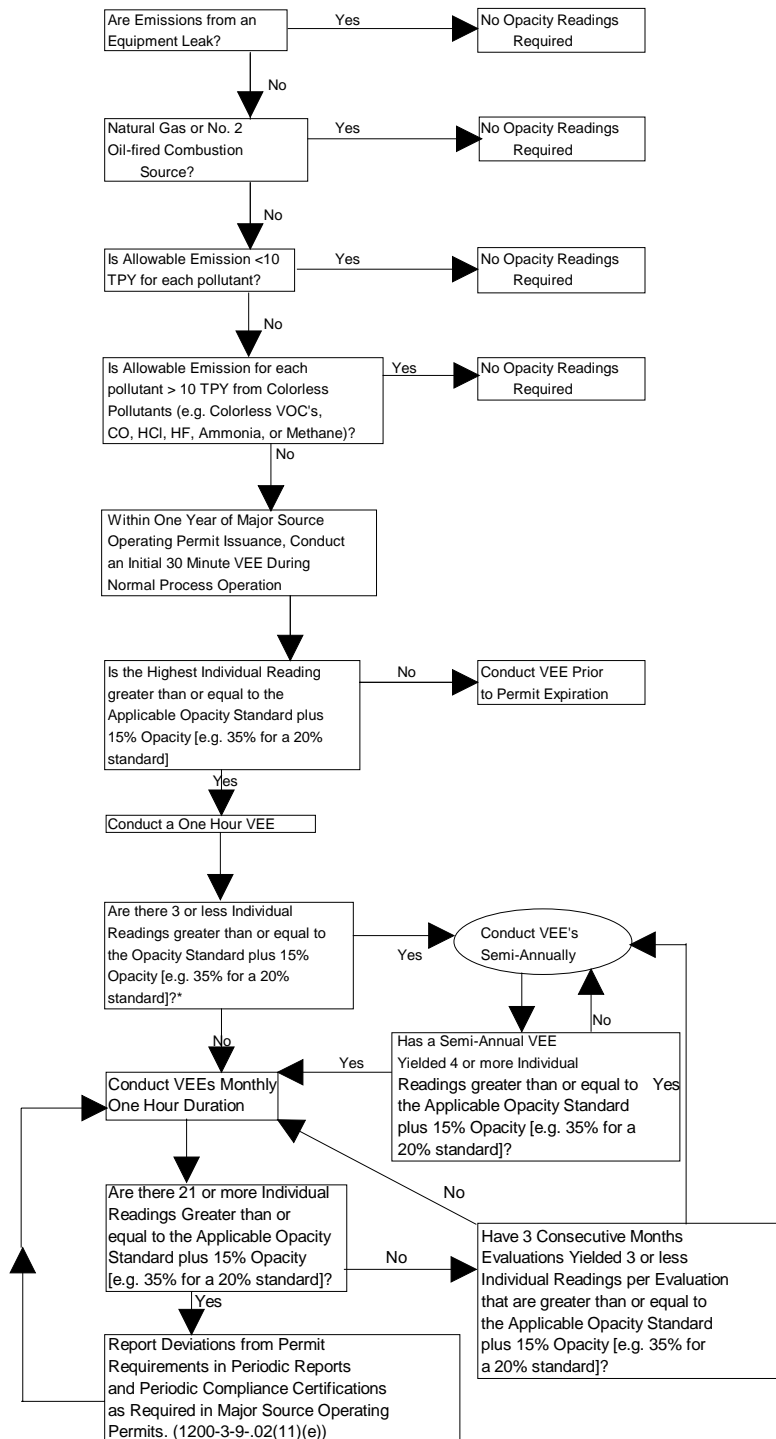
A VEE conducted by TDAPC personnel after the Title V permit is issued will also constitute an initial reading.

**Reader Error**

TVEE Method 2: The TDAPC declares non-compliance when 21 observations are read at the standard plus 15% opacity (e.g. 35% for a 20% standard).

\*The rationale for this is the fact that Rule 1200-3-5-.01 allows for an exemption of 5 minutes (20 readings) per hour and up to 20 minutes (80 readings) per day. With 4 or more excessive individual readings per hour the possibility of a daily exceedance exists.

**Note:** A company could mutually agree to have all of its sources regulated by EPA Method 9. Caution: Agreement to use Method 9 could potentially place some sources in non-compliance with visible emission standards. Please be sure before you agree.



**Decision Tree PM for Opacity for  
Sources Utilizing EPA Method 9**

**Notes:**

PM = Periodic Monitoring  
required by 1200-3-9-.02(11)(e)(1)(iii)

This Decision Tree outlines the criteria by which major sources can meet the periodic monitoring and testing requirements of Title V for demonstrating compliance with the visible emissions standards in paragraph 1200-3-5-.01. It is not intended to determine compliance requirements for EPA's Compliance Assurance Monitoring (CAM) Rule (formerly referred to as Enhanced Monitoring - Proposed 40 CFR 64).

Examine each emission source using this Decision Tree to determine PM required.

Use of continuous emission monitoring systems eliminates the need to do any additional periodic monitoring.

Visible Emission Evaluations (VEEs) are to be conducted utilizing EPA Method 9. The observer must be properly certified to conduct valid evaluations.

**Typical Pollutants**

Particulates, VOC, CO, SO<sub>2</sub>, NO<sub>x</sub>, HCl, HF, HBr, Ammonia, and Methane

Initial observation to be repeated within 90 days of startup of a modified source if a new construction permit is issued for modification of the source.

A VEE conducted by TDAPC personnel after the Title V permit is issued will also constitute an initial reading.

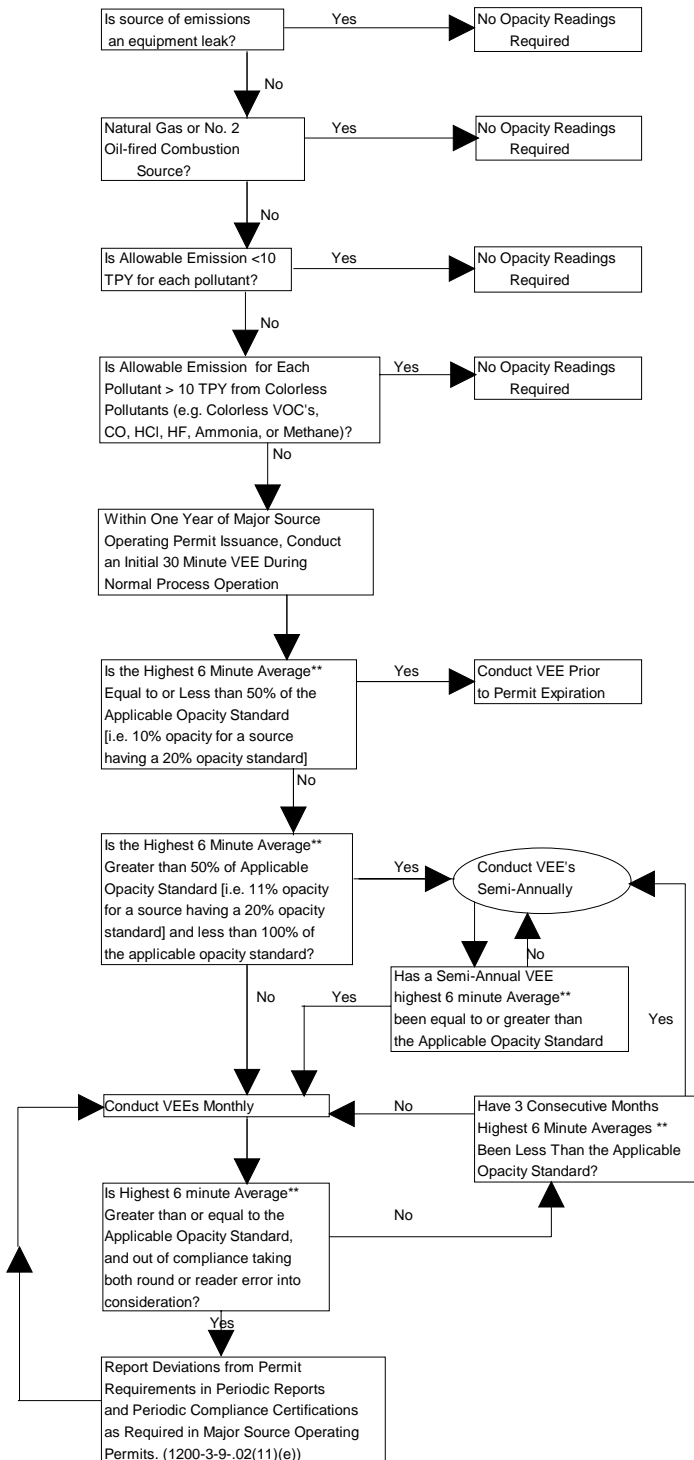
**Reader Error**

EPA Method 9, Non-NSPS or Neshaps stipulated opacity standards:  
The TDAPC guidance is to declare non-compliance when the highest six-minute average\*\* exceeds the standard plus 6.8% opacity (e.g. 26.8% for a 20% standard).

EPA Method 9, NSPS or NESHAPS Stipulated Opacity Standards:  
EPA guidance is to allow only engineering round. No allowance for reader error is given.

\*Not Applicable to Asbestos Manufacturing  
Subject to 40 CFR 61.142

\*\*Or second highest six minute average, if the source has an exemption period stipulated in either the Regulations or in the permit.



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**ATTACHMENT 2**

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**AP-42 Emission Factors for coal, natural gas,  
and oil fired combustion**

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**ATTACHMENT 3**

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**NOx Budget Trading Program Permit**

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**TENNESSEE AIR POLLUTION CONTROL BOARD**  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**NASHVILLE, TENNESSEE 37243-1531**



**NOx Budget Permit** Issued Pursuant to Tennessee Air Quality Act

This permit fulfills the requirements of the federal regulations promulgated thereunder at 40 CFR Part 96. This permit is issued in accordance with the provisions of paragraph 1200-3-27-.06 of the Tennessee Air Pollution Control Regulations. The permittee has been granted permission to operate an air contaminant source in accordance with emissions limitations and monitoring requirements set forth herein.

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**Date Issued:**

**Permit Number:** 057286N

**Date Expires:** December 23, 2008

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**NOx Budget Source:**

A.E. Staley Manufacturing Comapny

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**NOx Budget Source Address:**

198 Blair Bend Drive  
Loudon, Tennessee

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**NOx Budget Unit Description:**

Emission Source #34 – Coal Fired Boilers (Source #35, Boiler #2 combined with #34)

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**Emission Source Reference No.:** 53-0081

**Renewal Application Due Date:** October 10, 2008

**ORIS/Facility Code:** 880079

**NOx Authorized Account Representative:**

Name: Michael J. Slimbarski

Phone: 865-408-0583

**Alternate Account Representative:**

Name: Arthur G. Hemmerlein

Phone: 865-408-0561

**Information Relied Upon:**

Application dated November 21, 2002

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Original application consisting of four (4) pages dated November 21, 2002

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TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

**POST OR FILE AT INSTALLATION ADDRESS**



# NOx Budget Permit Application

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For more information, refer to 40 CFR 97.21 and 97.22

This submission is: ☒ New ☐ Revised**STEP 1**

Identify the source by plant name, State, and ORIS or facility code

A. E. Staley Manufacturing Company  
Plant NameTN  
State

ORIS/Facility Code

**STEP 2**

Enter the unit ID# for each NOx budget unit

Unit ID#

53-0081-34 (PES #34)

53-0081-35 (PES #35)

**STEP 3**

Read the standard requirements and the certification, enter the name of the NOx authorized account representative, and sign and date

**Standard Requirements****(a) Permit Requirements.**

(1) The NOx authorized account representative of each NOx Budget source required to have a federally enforceable permit and each NOx Budget unit required to have a federally enforceable permit at the source shall:

- (i) Submit to the permitting authority a complete NOx Budget permit application under § 97.22 in accordance with the deadlines specified in § 97.21(b) and (c);
- (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a NOx Budget permit application and issue or deny a NOx Budget permit.

(2) The owners and operators of each NOx Budget source required to have a federally enforceable permit and each NOx Budget unit required to have a federally enforceable permit at the source shall have a NOx Budget permit issued by the permitting authority and operate the unit in compliance with such NOx Budget permit.

(3) The owners and operators of a NOx Budget source that is not otherwise required to have a federally enforceable permit are not required to submit a NOx Budget permit application, and to have a NOx Budget permit, under subpart C of 40 CFR part 97 for such NOx Budget source.

**A.E. Staley Manufacturing Company**NOx Budget Permit Application  
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Plant Name (from Step 1)

**(b) Monitoring requirements.**

- (1) The owners and operators and, to the extent applicable, the NOx authorized account representative of each NOx Budget source and each NOx Budget unit at the source shall comply with the monitoring requirements of subpart H of 40 CFR part 97.
- (2) The emissions measurements recorded and reported in accordance with subpart H of 40 CFR part 97 shall be used to determine compliance by the unit with the NOx Budget emissions limitation under paragraph (c).

**(c) Nitrogen oxides requirements.**

- (1) The owners and operators of each NOx Budget source and each NOx Budget unit at the source shall hold NOx allowances available for compliance deductions under § 97.54(a), (b), (e), or (f) as of the NOx allowance transfer deadline, in the unit's compliance account and the source's overdraft account in an amount not less than the total NOx emissions for the control period from the unit, as determined in accordance with subpart H of 40 CFR part 97, plus any amount necessary to account for actual heat input under § 97.42(e) for the control period or to account for excess emissions for a prior control period under § 97.54(d) or to account for withdrawal from the NOx Budget Trading Program, or a change in regulatory status, of a NOx Budget opt-in unit under § 97.86 or § 97.87.
- (2) Each ton of nitrogen oxides emitted in excess of the NOx Budget emissions limitation shall constitute a separate violation of 40 CFR part 97, the Clean Air Act, and applicable State law.
- (3) A NOx Budget unit shall be subject to the requirements under paragraph (c)(1) starting on the later of May 1, 2003 or the date on which the unit commences operation.
- (4) NOx allowances shall be held in, deducted from, or transferred among NOx Allowance Tracking System accounts in accordance with subparts E, F, G, and I of 40 CFR part 97.
- (5) A NOx allowance shall not be deducted, in order to comply with the requirements under paragraph (c)(1), for a control period in a year prior to the year for which the NOx allowance was allocated.
- (6) A NOx allowance allocated by the Administrator under the NOx Budget Trading Program is a limited authorization to emit one ton of nitrogen oxides in accordance with the NOx Budget Trading Program. No provision of the NOx Budget Trading Program, the NOx Budget permit application, the NOx Budget permit, or an exemption under § 97.4(b) or § 97.5 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) A NOx allowance allocated by the Administrator under the NOx Budget Trading Program does not constitute a property right.
- (8) Upon recordation by the Administrator under subpart F or G of 40 CFR part 97, every allocation, transfer, or deduction of a NOx allowance to or from a NOx Budget unit's compliance account or the overdraft account of the source where the unit is located is incorporated automatically in any NOx Budget permit of the NOx Budget unit.

**(d) Excess emissions requirements.**

- (1) The owners and operators of a NOx Budget unit that has excess emissions in any control period shall:
- (i) Surrender the NOx allowances required for deduction under § 97.54(d)(1); and
  - (ii) Pay any fine, penalty, or assessment or comply with any other remedy imposed under § 97.54(d)(3).

**(e) Recordkeeping and Reporting Requirements.**

- (1) Unless otherwise provided, the owners and operators of the NOx Budget source and each NOx Budget unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the permitting authority or the Administrator.
- (i) The account certificate of representation under § 97.13 for the NOx authorized account representative for the source and each NOx Budget unit at the source and all documents that demonstrate the truth of the statements in the account certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new account certificate of representation under § 97.13 changing the NOx authorized account representative.
  - (ii) All emissions monitoring information, in accordance with subpart H of 40 CFR part 97; provided that to the extent that subpart H of 40 CFR part 97 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the NOx Budget Trading Program.
  - (iv) Copies of all documents used to complete a NOx Budget permit application and any other submission under the NOx Budget Trading Program or to demonstrate compliance with the requirements of the NOx Budget Trading Program.
- (2) The NOx authorized account representative of a NOx Budget source and each NOx Budget unit at the source shall submit the reports and compliance certifications required under the NOx Budget Trading Program, including those under subparts D, H, or I of 40 CFR part 97.

**A.E. Staley Manufacturing Company**NOx Budget Permit Application  
Page 3Plant Name (from Step 1)**(f) Liability.**

- (1) Any person who knowingly violates any requirement or prohibition of the NOx Budget Trading Program, a NOx Budget permit, or an exemption under § 97.4(b) or § 97.5 shall be subject to enforcement pursuant to applicable State or Federal law.
- (2) Any person who knowingly makes a false material statement in any record, submission, or report under the NOx Budget Trading Program shall be subject to criminal enforcement pursuant to the applicable State or Federal law.
- (3) No permit revision shall excuse any violation of the requirements of the NOx Budget Trading Program that occurs prior to the date that the revision takes effect.
- (4) Each NOx Budget source and each NOx Budget unit shall meet the requirements of the NOx Budget Trading Program.
- (5) Any provision of the NOx Budget Trading Program that applies to a NOx Budget source or the NOx authorized account representative of a NOx Budget source shall also apply to the owners and operators of such source and of the NOx Budget units at the source.
- (6) Any provision of the NOx Budget Trading Program that applies to a NOx Budget unit or the NOx authorized account representative of a NOx budget unit shall also apply to the owners and operators of such unit. Except with regard to the requirements applicable to units with a common stack under subpart H of 40 CFR part 97, the owners and operators and the NOx authorized account representative of one NOx Budget unit shall not be liable for any violation by any other NOx Budget unit of which they are not owners or operators or the NOx authorized account representative and that is located at a source of which they are not owners or operators or the NOx authorized account representative.

**(g) Effect on Other Authorities**

No provision of the NOx Budget Trading Program, a NOx Budget permit application, a NOx Budget permit, or an exemption under § 97.4(b) or § 97.5 shall be construed as exempting or excluding the owners and operators and, to the extent applicable, the NOx authorized account representative of a NOx Budget source or NOx Budget unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

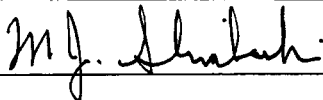
**Certification**

I am authorized to make this submission on behalf of the owners and operators of the NOx Budget sources or NOx Budget units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

**Michael J Slimbarski, Plant Manager**

Name

Signature



Date

11/21/02

**A.E. Staley Manufacturing Company**  
Plant Name (from Step 1)

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**STEP 4 (For sources with opt-in units only)**

For each unit listed under Step 2 that is an opt-in unit, re-enter the unit ID#, and indicate if this is an initial permit application for that unit by checking the box

Unit ID#	Check box if initial permit application
53-0081-34 (PES #34)	<input checked="" type="checkbox"/>
53-0081-35 (PES #35)	<input checked="" type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

**Step 5 (For sources with opt-in units only)**

Read the certification, enter the name of the NOx authorized account representative, sign and date

I certify that each unit for which this permit application is submitted under subpart I of 40 CFR part 97 is a NOx Budget unit under 40 CFR 97.4(a) and is not covered by an exemption under 40 CFR part 97.4(b) or 97.5 that is in effect.

<b>Michael J Slimbarski, Plant Manager</b>	
Name	
Signature <i>MJ Slimbarski</i>	Date <i>11/21/02</i>

**STEP 6 (For sources submitting an initial NOx Budget opt-in permit application)**

Read the certification, enter the name of the NOx authorized account representative, sign and date

I certify that each unit for which this permit application is submitted under subpart I of 40 CFR part 97 is operating, as that term is defined under 40 CFR 97.2.

<b>Michael J Slimbarski, Plant Manager</b>	
Name	
Signature <i>MJ Slimbarski</i>	Date <i>11/21/02</i>